

## SEQUENCE LISTING

<110> Contreras, Roland  
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Nelissen, Bart  
Reekmans, Rieka

<120> Cell death related drug targets in yeast and fungi

<130> JAN-002-PCT

<140> PCT/BE00/00077

<141> 2000-07-03

<150> 99870141.1

<151> 1999-07-01

<160> 484

<170> PatentIn Ver. 2.1

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&lt;211&gt; 668

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

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Gln Thr Glu Thr Gly Glu Asn Ser Ala Lys Asn Ala Glu Gln Asn Val
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Ser Ser Thr Asn Leu Asn Asn Ala Pro Thr Asn Gly Ala Leu Asp Asp
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Asp Val Ile Pro Asn Ala Ile Val Ile Lys Asn Ile Pro Phe Ala Ile
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Lys Lys Glu Gln Leu Leu Asp Ile Ile Glu Glu Met Asp Leu Pro Leu
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Lys Lys Met Leu Pro Gln Ala Glu Arg Glu Arg Ile Glu Arg Glu Lys
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&lt;210&gt; 10

&lt;211&gt; 1057

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 10

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Ala His Met Lys Arg Gln Pro Glu Gln Gln Leu Gln Gln His Gln
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Phe Pro Ser Lys Lys Gln Arg Ile Ser His His Asp Asp Ser His Gln
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Ile Asn His Arg Pro Val Thr Ser Cys Thr His Cys Arg Gln His Lys
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Ile Lys Cys Asp Ala Ser Gln Asn Phe Pro His Pro Cys Ser Arg Cys

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			100					105					110		
Ser	Lys	Leu	Asp	Thr	Leu	Leu	Ala	Asn	Asp	Ser	Val	Phe	Val	His	Leu
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His	Pro	Thr	Pro	Thr	Pro	Gly	Thr	Ile	Ile	Pro	Asn	Pro	Asp	Ser	Ser
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Pro	Ser	Ser	Gly	Ser	Pro	Thr	Ser	Ser	Ala	Ala	Gln	Arg	Asp	Ser	Lys
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Thr	Asn	Asn	Asn	Ala	Asp	Arg	Thr	Lys	Thr	Pro	Val	Val	Ala	Thr	Thr
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Thr	Thr	Met	Pro	Leu	Leu	Pro	Ser	Pro	His	Ala	Asn	Val	Asp	Glu	Phe
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Val	Leu	Gly	Asp	Ile	Ser	Ile	Ser	Ile	Glu	Lys	Ala	Asn	Arg	Leu	His
			340					345					350		
His	Ile	Phe	Val	Thr	Arg	Tyr	Leu	Pro	Tyr	Phe	Pro	Ile	Met	Tyr	Ser
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Asn	Asn	Ala	Thr	Glu	Leu	Tyr	Ser	Gln	Ser	Gln	Leu	Leu	Phe	Trp	Thr

370	375	380
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Arg Thr Pro Arg Ser Thr His Ile Ser Gln Ala Leu Leu Ile Leu Cys 420 425 430		
Ile Trp Pro Leu Pro Asn Gln Lys Val Leu Asp Asp Cys Ser Tyr Arg 435 440 445		
Phe Val Gly Leu Ala Lys Ser Leu Ser Tyr Gln Leu Gly Leu His Arg 450 455 460		
Gly Glu Phe Ile Ser Glu Phe Thr Arg Thr Gln Thr Ser Met Pro Asn 465 470 475 480		
Ala Glu Lys Trp Arg Thr Arg Thr Trp Leu Gly Ile Phe Phe Ala Glu 485 490 495		
Leu Cys Trp Ala Ser Ile Leu Gly Leu Pro Pro Thr Ser Gln Thr Asp 500 505 510		
Tyr Leu Leu Glu Lys Ala Leu Ser Cys Gly Asp Glu Glu Ser Glu Glu 515 520 525		
Asp Asn Asn Asp Ser Ile Asp Asn Asn Asn Asn Asp Lys Arg Asn Lys 530 535 540		
Lys Asp Glu Pro His Val Glu Ser Lys Tyr Lys Leu Pro Gly Ser Phe 545 550 555 560		
Arg Arg Leu Leu Ser Leu Ala Asn Phe Gln Ala Lys Leu Ser His Ile 565 570 575		
Ile Gly Ser Ser Thr Ser Ser Pro Asp Gly Leu Leu Glu Pro Lys Tyr 580 585 590		
Arg Ala Glu Thr Leu Ser Ile Leu Gly Lys Glu Leu Asp Leu Leu Ala 595 600 605		
Lys Thr Leu Asn Phe Gln Ser Asp Asp Thr Val Asn Ile Tyr Phe Leu 610 615 620		
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Pro Thr Asp Gln Ile Pro Tyr Val Thr Glu Ala Tyr Leu Thr Ala Thr 645 650 655		
Lys Ile Val Thr Leu Leu Asn Asn Leu Leu Glu Thr His Gln Leu Ile 660 665 670		
Glu Leu Pro Ile Tyr Ile Arg Gln Ala Ala Thr Phe Ser Ala Leu Ile		

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Leu	Thr	Ala	Trp	Ala	Thr	Ser	Val	Glu	Asn	Asp	Ile	Ser	Arg	Thr	Ala
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Ser	Met	Leu	Glu	Lys	Leu	Asn	Phe	Val	Leu	Ile	Met	His	Pro	Glu	Val
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Phe	Val	Glu	Glu	Asp	Gly	Ile	Ile	Ser	Arg	Met	Arg	Ser	His	Leu	Thr
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Arg	Glu	Met	Asp	Pro	Glu	Tyr	Asn	Lys	Gln	Ala	Leu	Glu	Lys	Ala	Ala
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Thr	Gly	Gly	Ile	Thr	Asp	Arg	Lys	Leu	Tyr	Pro	Leu	Pro	Leu	Tyr	Asn
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His	Ile	Ser	Arg	Asp	Asp	Phe	Glu	Thr	Val	Thr	Lys	Thr	Thr	Pro	Ser
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Gly	Thr	Thr	Val	Thr	Thr	Leu	Val	Pro	Thr	Lys	Asn	Ala	Leu	Lys	Gln
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Ala	Glu	Lys	Leu	Ala	Lys	Thr	Asn	Asn	Gly	Asp	Ser	Asp	Gly	Ser	Ile
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Met	Glu	Ile	Asn	Gly	Ile	Pro	Leu	Ser	Met	Leu	Gly	Glu	Thr	Gly	Ser
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Val	Lys	Phe	Gln	Ser	Leu	Phe	Ala	Asn	Thr	Ser	Asn	Ser	Asn	Asp	Tyr
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Asn	Asn	Asn	Arg	Thr	Leu	Leu	Asp	Ala	Ser	Asn	Asp	Ile	Ser	Ile	Pro
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Ser	Asn	Ser	Ile	Tyr	Pro	Val	Ala	Ser	Val	Pro	Ala	Ser	Asn	Asn	Asn
					930					935					940
Pro	Gln	Ser	Thr	Lys	Val	Asp	Tyr	Tyr	Ser	Asn	Gly	Pro	Ser	Val	Ile
945					950					955					960
Pro	Asp	Leu	Ser	Met	Lys	Arg	Ser	Val	Ser	Thr	Pro	Val	Asn	His	Phe
					965					970					975
Pro	Ala	Ser	Val	Pro	Gly	Leu	Arg	Asn	His	Pro	Val	Gly	Asn	Leu	Ser



980	985	990
Asn Asn Val Thr Leu Gly Ile Asp His Pro Ile Pro Arg Glu His Ser		
995	1000	1005
Asn Leu Gln Asn Val Thr Met Asn Tyr Asn Asn Gln Phe Ser Asn Ala		
1010	1015	1020
Asn Ala Ile Gly Arg Ser Gln Ser Ser Met Ser His Ser Arg Thr Pro		
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		1040
Leu Phe Arg Ser Ile Tyr Asp Ser Trp Ile Pro Arg Pro Thr Pro Val		
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Leu

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 <211> 854  
 <212> DNA  
 <213> Candida albicans

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 aattatgaaa acaactcata taaatacgtt caaatttttc tctactcgaa gtgatataga 240  
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 aaaaagctga aaagtcagat attccagaga ttgataagcg taaatatcta gttcctgctg 660  
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 <211> 117  
 <212> PRT  
 <213> Candida albicans

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 Cys Glu Lys Ala Glu Lys Ser Asp Ile Pro Glu Ile Asp Lys Arg Lys  
 35 40 45

Tyr Leu Val Pro Ala Asp Leu Thr Val Gly Gln Phe Val Tyr Val Ile  
 50 55 60

Arg Lys Arg Ile Met Leu Pro Pro Glu Lys Ala Ile Phe Ile Phe Val  
 65 70 75 80

Asn Asp Thr Leu Pro Pro Thr Ala Ala Leu Met Ser Ala Ile Tyr Gln  
 85 90 95

Glu His Lys Asp Lys Asp Gly Phe Leu Tyr Val Thr Tyr Ser Gly Glu  
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Asn Thr Phe Gly Arg  
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 <212> DNA  
 <213> Candida albicans

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 actaa 1145

<210> 14  
 <211> 214  
 <212> PRT  
 <213> Candida albicans

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 20 25 30

Tyr Ala Pro Arg Arg Gln Leu Ala Asn Thr Pro Ala Lys Asp Ser Thr  
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 Gly Lys Glu Val Ala Arg Pro Asn Asn Tyr Ala Gly Ala Leu Tyr Asp  
       50                          55                          60  
 Pro Arg Asp Glu Thr Leu Asp Asp Trp Phe Asp Asn Asp Leu Ser Leu  
       65                          70                          75                          80  
 Phe Pro Ser Gly Phe Gly Phe Pro Arg Ser Val Ala Val Pro Val Asp  
                   85                          90                          95  
 Ile Leu Asp His Asp Asn Asn Tyr Glu Leu Lys Val Val Val Pro Gly  
                   100                          105                          110  
 Val Lys Ser Lys Lys Asp Ile Asp Ile Glu Tyr His Gln Asn Lys Asn  
           115                          120                          125  
 Gln Ile Leu Val Ser Gly Glu Ile Pro Ser Thr Leu Asn Glu Glu Ser  
       130                          135                          140  
 Lys Asp Lys Val Lys Val Lys Glu Ser Ser Ser Gly Lys Phe Lys Arg  
       145                          150                          155                          160  
 Val Ile Thr Leu Pro Asp Tyr Pro Gly Val Asp Ala Asp Asn Ile Lys  
                   165                          170                          175  
 Ala Asp Tyr Ala Asn Gly Val Leu Thr Leu Thr Val Pro Lys Leu Lys  
                   180                          185                          190  
 Pro Gln Lys Asp Gly Lys Asn His Val Lys Lys Ile Glu Val Ser Ser  
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&lt;210&gt; 15

&lt;211&gt; 3377

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 15

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&lt;210&gt; 16

&lt;211&gt; 958

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 16

```

Met Ala Val Ile Ser Val Lys Pro Arg Arg Arg Glu Lys Ile Leu Gln
  1             5             10             15

```

```

Glu Val Lys Asn Ser Ser Val Tyr Gln Thr Val Phe Asp Ser Gly Thr
      20             25             30

```

Thr	Gln	Met	Gln	Ile	Pro	Lys	Tyr	Glu	Asn	Lys	Pro	Phe	Lys	Pro	Pro		
		35					40					45					
Arg	Arg	Val	Gly	Ser	Asn	Lys	Tyr	Thr	Gln	Leu	Lys	Pro	Thr	Ala	Thr		
	50					55					60						
Ala	Val	Thr	Thr	Ala	Pro	Ile	Ser	Lys	Ala	Lys	Val	Thr	Val	Asn	Leu		
65					70					75					80		
Lys	Arg	Ser	Ile	Ser	Ala	Gly	Pro	Thr	Leu	Asn	Leu	Ala	Lys	Lys	Pro		
				85					90					95			
Asn	Asn	Leu	Ser	Ser	Asn	Glu	Asn	Thr	Arg	Tyr	Phe	Thr	Ile	Met	Tyr		
			100					105					110				
Arg	Lys	Pro	Thr	Thr	Lys	Lys	His	Lys	Thr	Trp	Ser	Gly	Asp	Gly	Tyr		
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Ala	Thr	Leu	Lys	Ala	Ser	Ser	Asp	Lys	Leu	Cys	Phe	Tyr	Asn	Glu	Ala		
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Gly	Lys	Phe	Leu	Gly	Ser	Ser	Met	Leu	Pro	Ser	Asp	Ser	Asp	Ser	Leu		
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Phe	Glu	Thr	Leu	Phe	Lys	Ala	Gly	Ser	Asn	Glu	Val	Gln	Leu	Asp	Tyr		
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Glu	Leu	Lys	Glu	Asn	Ala	Glu	Ile	Arg	Ser	Ala	Lys	Glu	Ala	Leu	Ser		
			180					185					190				
Gln	Asn	Met	Gly	Asn	Pro	Ser	Pro	Pro	Thr	Thr	Ser	Thr	Thr	Glu	Thr		
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Val	Pro	Ser	Thr	Lys	Asn	Asp	Gly	Gly	Lys	Tyr	Gln	Met	Pro	Leu	Ser		
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Gln	Leu	Phe	Ser	Leu	Asn	Thr	Val	Lys	Arg	Phe	Lys	Ser	Val	Thr	Lys		
225					230					235					240		
Gln	Thr	Asn	Glu	His	Met	Thr	Thr	Val	Pro	Lys	Thr	Ser	Gln	Asn	Ser		
				245					250					255			
Lys	Ala	Lys	Lys	Tyr	Tyr	Pro	Val	Phe	Asp	Val	Asn	Lys	Ile	Asp	Asn		
			260					265					270				
Pro	Ile	Val	Met	Asn	Lys	Asn	Ala	Ala	Ala	Glu	Val	Asp	Val	Ile	Val		
	275						280						285				
Asp	Pro	Leu	Leu	Gly	Lys	Phe	Leu	Arg	Pro	His	Gln	Arg	Glu	Gly	Val		
	290					295					300						
Lys	Phe	Met	Tyr	Asp	Cys	Leu	Met	Gly	Leu	Ala	Arg	Pro	Thr	Ile	Glu		
305					310					315					320		
Asn	Pro	Asp	Ile	Asp	Cys	Thr	Thr	Lys	Ser	Leu	Val	Leu	Glu	Asn	Asp		
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Ser Asp Ile Ser Gly Cys Leu Leu Ala Asp Asp Met Gly Leu Gly Lys  
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 Thr Leu Met Ser Ile Thr Leu Ile Trp Thr Leu Ile Arg Gln Thr Pro  
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 Phe Ala Ser Lys Val Ser Cys Ser Gln Ser Gly Ile Pro Leu Thr Gly  
 370 375 380  
 Leu Cys Lys Lys Ile Leu Val Val Cys Pro Val Thr Leu Ile Gly Asn  
 385 390 395 400  
 Trp Lys Arg Glu Phe Gly Lys Trp Leu Asn Leu Ser Arg Ile Gly Val  
 405 410 415  
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 420 425 430  
 Arg Asn Phe Leu Lys Val Gln Arg Thr Tyr Gln Val Leu Ile Ile Gly  
 435 440 445  
 Tyr Glu Lys Leu Leu Ser Val Ser Glu Glu Leu Glu Lys Asn Lys His  
 450 455 460  
 Leu Ile Asp Met Leu Val Cys Asp Glu Gly His Arg Leu Lys Asn Gly  
 465 470 475 480  
 Ala Ser Lys Ile Leu Asn Thr Leu Lys Ser Leu Asp Ile Arg Arg Lys  
 485 490 495  
 Leu Leu Leu Thr Gly Thr Pro Ile Gln Asn Asp Leu Asn Glu Phe Phe  
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 Thr Ile Ile Asp Phe Ile Asn Pro Gly Ile Leu Gly Ser Phe Ala Ser  
 515 520 525  
 Phe Lys Arg Arg Phe Ile Ile Pro Ile Thr Arg Ala Arg Asp Thr Ala  
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 Asn Arg Tyr Asn Glu Glu Leu Leu Glu Lys Gly Glu Glu Arg Ser Lys  
 545 550 555 560  
 Glu Met Ile Glu Ile Thr Lys Arg Phe Ile Leu Arg Arg Thr Asn Ala  
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 Lys Pro Tyr Ser Gln Gln Ile Leu Ala Phe Lys Asp Ile Leu Gln Gly  
 595 600 605  
 Ala Arg Leu Asp Phe Gly Gln Leu Thr Phe Ser Ser Ser Leu Gly Leu  
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 Ile Thr Leu Leu Lys Lys Val Cys Asn Ser Pro Gly Leu Val Gly Ser  
 625 630 635 640

Asp Pro Tyr Tyr Lys Ser His Ile Lys Asp Thr Gln Ser Gln Asp Ser  
 645 650 655  
 Tyr Ser Arg Ser Leu Asn Ser Gly Lys Leu Lys Val Leu Met Thr Leu  
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 675 680 685  
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 Leu Leu Ser Ala Lys Ser Gly Gly Val Gly Leu Asn Leu Val Gly Arg  
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 Ser Arg Leu Ile Leu Phe Asp Asn Asp Trp Asn Pro Ser Val Asp Leu  
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 785 790 795 800  
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 Asp Leu Lys Asp Leu Phe Ser Val His Thr Asp Thr Lys Ser Asn Thr  
 835 840 845  
 His Asp Leu Ile Cys Ser Cys Asp Gly Leu Gly Glu Glu Ile Glu Tyr  
 850 855 860  
 Pro Glu Thr Asn Gln Gln Gln Asn Thr Val Glu Leu Arg Lys Arg Ser  
 865 870 875 880  
 Thr Thr Thr Trp Thr Ser Ala Leu Asp Leu Gln Lys Lys Met Asn Glu  
 885 890 895  
 Ala Ala Thr Asn Asp Asp Ala Lys Lys Ser Gln Tyr Ile Arg Gln Cys  
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 Leu Val His Tyr Lys His Ile Asp Pro Ala Arg Gln Asp Glu Leu Phe  
 915 920 925  
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Phe Ala Phe Val Lys Pro Gly Glu Ile Cys Leu Arg Glu Gln  
 945 950 955

<210> 17  
 <211> 3341  
 <212> DNA  
 <213> Candida albicans

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 caaacaaggg cacttttttt tatctttttt ttttctctgt tgttttcaaa acaaaaagat 180  
 tccaccacta catcagtgtg aaagactgta aaagctttct gataaataag cactttccat 240  
 atttttcaac tgaaaaatag ttttcttttt gcagctatta ttgacttcat taagaaatat 300  
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 cacaagcggg tgagcatact atgtcgcaga caattacatc tctagatccg aattgtgtta 540  
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 aatccatcat accatatcat gatactgaat tgtccgatga tttgcataaa ctgatttcta 780  
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 ttgagtttct tcaagataaa cagaaagccc aaaaaaagc tagttcgggt atcatgttga 1140  
 agaaatggtg ttttattcct gtggctttgt tgtttggcgc aatattacta tcattccagc 1200  
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agccccacca tcatcatcac caccaccgcc atcgtgatgc tggagtgaag aatgtcacga 3240
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```

&lt;210&gt; 18

&lt;211&gt; 946

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 18

```

Met Ser Gln Thr Ile Thr Ser Leu Asp Pro Asn Cys Val Ile Val Phe
  1              5              10              15

```

```

Asn Lys Thr Ser Ser Ala Asn Glu Lys Ser Leu Asn Val Glu Phe Lys
              20              25              30

```

```

Arg Leu Asn Ile His Ser Ile Ile Glu Pro Gly His Asp Leu Gln Thr
      35              40              45

```

```

Ser Tyr Ala Phe Ile Arg Ile His Gln Asp Asn Ala Lys Pro Leu Phe
      50              55              60

```

```

Ser Phe Leu Gln Asn Leu Asp Phe Ile Glu Ser Ile Ile Pro Tyr His
      65              70              75              80

```

```

Asp Thr Glu Leu Ser Asp Asp Leu His Lys Leu Ile Ser Ile Ser Lys
              85              90              95

```

```

Ser Lys Ile Leu Glu Ala Pro Lys Gln Tyr Glu Leu Tyr Asn Leu Ser
      100              105              110

```

```

Asn Leu Thr Asn Asn Pro Lys Gln Ser Leu Tyr Phe Ala Phe Leu Gln
      115              120              125

```

```

Asn Tyr Ile Lys Trp Leu Ile Pro Phe Ser Phe Phe Gly Leu Ser Ile
      130              135              140

```

```

Arg Phe Leu Ser Asn Phe Thr Tyr Glu Phe Asn Ser Thr Tyr Ser Leu
      145              150              155              160

```

```

Phe Ala Ile Leu Trp Thr Leu Ser Phe Thr Ala Phe Trp Leu Tyr Lys
      165              170              175

```

```

Tyr Glu Pro Phe Trp Ser Asp Arg Leu Ser Lys Tyr Ser Ser Phe Ser
      180              185              190

```

```

Thr Ile Glu Phe Leu Gln Asp Lys Gln Lys Ala Gln Lys Lys Ala Ser
      195              200              205

```

Ser Val Ile Met Leu Lys Lys Cys Cys Phe Ile Pro Val Ala Leu Leu  
 210 215 220  
 Phe Gly Ala Ile Leu Leu Ser Phe Gln Leu Tyr Cys Phe Ala Leu Glu  
 225 230 235 240  
 Ile Phe Tyr Lys Gln Ile Tyr Asn Gly Pro Met Ile Ser Ile Leu Ser  
 245 250 255  
 Phe Leu Pro Thr Ile Leu Ile Cys Thr Phe Thr Pro Val Leu Thr Val  
 260 265 270  
 Ile Tyr Asn Lys Tyr Phe Val Glu Pro Met Thr Lys Trp Glu Asn His  
 275 280 285  
 Ser Ser Val Val Asn Ala Lys Lys Ser Lys Glu Ala Lys Asn Phe Val  
 290 295 300  
 Ile Ile Phe Leu Ser Ser Tyr Val Pro Leu Leu Ile Thr Leu Phe Leu  
 305 310 315 320  
 Tyr Leu Pro Met Gly His Leu Leu Thr Ala Glu Ile Arg Thr Lys Val  
 325 330 335  
 Phe Asn Ala Phe Ser Ile Leu Ala Arg Leu Pro Thr His Asp Ser Asp  
 340 345 350  
 Phe Ile Ile Asp Thr Lys Arg Tyr Glu Asp Gln Phe Phe Tyr Phe Ile  
 355 360 365  
 Val Ile Asn Gln Leu Ile Gln Phe Ser Met Glu Asn Phe Val Pro Ser  
 370 375 380  
 Leu Val Ser Ile Ala Gln Gln Lys Ile Asn Gly Pro Asn Pro Asn Phe  
 385 390 395 400  
 Val Lys Ala Glu Ser Glu Ile Gly Lys Ala Gln Leu Ser Ser Ser Asp  
 405 410 415  
 Met Lys Ile Trp Ser Lys Val Lys Ser Tyr Gln Thr Asp Pro Trp Gly  
 420 425 430  
 Ala Thr Phe Asp Leu Asp Ala Asn Phe Lys Lys Leu Leu Leu Gln Phe  
 435 440 445  
 Gly Tyr Leu Val Met Phe Ser Thr Ile Trp Pro Leu Ala Pro Phe Ile  
 450 455 460  
 Cys Leu Ile Val Asn Leu Ile Val Tyr Gln Val Asp Leu Arg Lys Ala  
 465 470 475 480  
 Val Leu Tyr Ser Lys Pro Glu Tyr Phe Pro Phe Pro Ile Tyr Asp Lys  
 485 490 495  
 Pro Ser Ser Val Ser Asn Thr Gln Lys Leu Thr Val Gly Leu Trp Asn  
 500 505 510

Ser Val Leu Val Met Phe Ser Ile Leu Gly Cys Val Ile Thr Ala Thr  
 515 520 525  
 Leu Thr Tyr Met Tyr Gln Ser Cys Asn Ile Pro Gly Val Gly Ala His  
 530 535 540  
 Thr Ser Ile His Thr Asn Lys Ala Trp Tyr Leu Ala Asn Pro Ile Asn  
 545 550 555 560  
 His Ser Trp Ile Asn Ile Val Leu Tyr Ala Val Phe Ile Glu His Val  
 565 570 575  
 Ser Val Ala Ile Phe Phe Leu Phe Ser Ser Ile Leu Lys Ser Ser His  
 580 585 590  
 Asp Asp Val Ala Asn Gly Ile Val Pro Lys His Val Val Asn Val Gln  
 595 600 605  
 Asn Pro Pro Lys Gln Glu Val Phe Glu Lys Ile Pro Ser Pro Glu Phe  
 610 615 620  
 Asn Ser Asn Asn Glu Lys Glu Leu Val Gln Arg Lys Gly Ser Ala Asn  
 625 630 635 640  
 Glu Lys Leu His Gln Glu Leu Gly Glu Lys Gln Pro Ala Ser Ser Ala  
 645 650 655  
 Asn Gly Tyr Glu Ala His Ala Ala Thr His Ala Asn Asn Asp Pro Ser  
 660 665 670  
 Ser Leu Ser Ser Ala Ser Ser Pro Ser Leu Ser Ser Ser Ser Ser  
 675 680 685  
 Ser Lys Thr Gly Val Val Lys Ala Val Asp Asn Asp Thr Ala Gly Ser  
 690 695 700  
 Ala Gly Lys Lys Pro Leu Ala Thr Glu Ser Thr Glu Lys Arg Asn Ser  
 705 710 715 720  
 Leu Val Lys Val Pro Thr Val Gly Ser Tyr Gly Val Ala Gly Ala Thr  
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 Leu Pro Glu Thr Ile Pro Thr Ser Lys Asn Tyr Tyr Leu Arg Phe Asp  
 740 745 750  
 Glu Asp Gly Lys Ser Ile Arg Asp Ala Lys Ser Ser Ala Glu Ser Ser  
 755 760 765  
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 770 775 780  
 Asp Gly Asp Ala Val Asp Ala Leu Ser Arg Lys Ile Asp Gln Ile Pro  
 785 790 795 800  
 Lys Ile Ala Val Thr Gly Gly Glu Asn Asn Glu Asn Thr Gln Ala Lys  
 805 810 815

Asp Asp Ala Ala Thr Lys Thr Pro Leu Ile Lys Asp Ala Asn Ile Lys  
                   820                  825                  830  
 Pro Val Val Asn Ala Ala Val Asn Asp Asn Gln Ser Lys Val Ser Val  
                   835                  840                  845  
 Ala Thr Glu Gln Thr Lys Lys Thr Glu Val Ser Thr Lys Asn Gly Pro  
                   850                  855                  860  
 Ser Arg Ser Ile Ser Thr Lys Glu Thr Lys Asp Ser Ala Arg Pro Ser  
                   865                  870                  875                  880  
 Asn Asn Asn Thr Thr Thr Thr Thr Thr Thr Thr Asp Ala Thr Gln Pro His  
                   885                  890                  895  
 His His His His His His Arg His Arg Asp Ala Gly Val Lys Asn Val  
                   900                  905                  910  
 Thr Asn Asn Ser Lys Thr Thr Glu Ser Ser Ser Ser Ser Ser Ala Ala  
                   915                  920                  925  
 Lys Glu Lys Pro Lys His Lys Lys Gly Leu Leu His Lys Leu Lys Lys  
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 Lys Leu  
 945

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 <211> 1904  
 <212> DNA  
 <213> Candida albicans

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 aaatatatat taaattagca cgttttcgca tagaacgcaa ctgcacaatg ccaaaaaaag 180  
 taaaagtgat taaaagagtt aattgaatag gcaatctcta aatgaatcga tacaaccttg 240  
 gcactcacac gtgggactag cacagactaa atttatgatt ctgggtccctg ttttcgaaga 300  
 gatcgcacat gccaaattat caaattgggtc accttacttg gcaaggcata taccattttg 360  
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 aaaaagatat cttcccattt ttgggtggtg cgggaccata ctactctttc cctggcgact 660  
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 gacatggtga aagataccct actgtcagtc tggctaagac tatcaagagt acatggtata 780  
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 agtttttcat ccgtgatgac gatgatttgg aaatggaaac cacttttgcc aactcggacg 900  
 atgttttgaa ccatacact ggtgaaatga acgccaagag acatgctcgt gacttcttgg 960  
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 agagatgtca tgacttgct caatatttca ttgatggttt aggtgaccaa ttcaacatca 1080  
 ccttgacagac tgtcagtga gctgaatccg ctggtgccaa cactttgagt gcttgtaact 1140  
 catgtcctgc ttgggactac gatgccaatg atgacattgt aaatgaatac gacacaacct 1200  
 acttggatga cattgccaa agattgaaca aggaaaacaa ggggttgaa ttgacctcaa 1260

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acgttcctca aggtgctcgt gtctacaccg aaaaattcca atgttctaac gacacctacg 1680
tcagatacgt cattaacgat gctgttggtc caattgaaac ctgttccact ggtccagggt 1740
tctcttggtg aatcaatgac ttctacgact atgctgaaaa gagagtagcc ggtactgact 1800
tcctaaaggt ctgtaacgtc agcagcgta gtaactctac tgaattgacc ttctactggg 1860
actggaacac tactcattac aacgccagtc tattgagaca atag 1904

```

<210> 20

<211> 467

<212> PRT

<213> Candida albicans

<400> 20

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Met Phe Lys Ser Val Val Tyr Ser Ile Leu Ala Ala Ser Leu Ala Asn
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Ala Gly Thr Ile Pro Leu Gly Lys Leu Ala Asp Val Asp Lys Ile Gly
      20             25             30

Thr Gln Lys Asp Ile Phe Pro Phe Leu Gly Gly Ala Gly Pro Tyr Tyr
      35             40             45

Ser Phe Pro Gly Asp Tyr Gly Ile Ser Arg Asp Leu Pro Glu Gly Cys
      50             55             60

Glu Met Lys Gln Leu Gln Met Val Gly Arg His Gly Glu Arg Tyr Pro
      65             70             75             80

Thr Val Ser Leu Ala Lys Thr Ile Lys Ser Thr Trp Tyr Lys Leu Ser
      85             90             95

Asn Tyr Thr Arg Gln Phe Asn Gly Ser Leu Ser Phe Leu Asn Asp Asp
      100            105            110

Tyr Glu Phe Phe Ile Arg Asp Asp Asp Leu Glu Met Glu Thr Thr
      115            120            125

Phe Ala Asn Ser Asp Asp Val Leu Asn Pro Tyr Thr Gly Glu Met Asn
      130            135            140

Ala Lys Arg His Ala Arg Asp Phe Leu Ala Gln Tyr Gly Tyr Met Val
      145            150            155            160

Glu Asn Gln Thr Ser Phe Ala Val Phe Thr Ser Asn Ser Lys Arg Cys
      165            170            175

His Asp Thr Ala Gln Tyr Phe Ile Asp Gly Leu Gly Asp Gln Phe Asn
      180            185            190

Ile Thr Leu Gln Thr Val Ser Glu Ala Glu Ser Ala Gly Ala Asn Thr
      195            200            205

```

Leu Ser Ala Cys Asn Ser Cys Pro Ala Trp Asp Tyr Asp Ala Asn Asp  
 210 215 220  
 Asp Ile Val Asn Glu Tyr Asp Thr Thr Tyr Leu Asp Asp Ile Ala Lys  
 225 230 235 240  
 Arg Leu Asn Lys Glu Asn Lys Gly Leu Asn Leu Thr Ser Thr Asp Ala  
 245 250 255  
 Ser Thr Leu Phe Ser Trp Cys Ala Phe Glu Val Asn Ala Lys Gly Tyr  
 260 265 270  
 Ser Asp Val Cys Asp Ile Phe Thr Lys Asp Glu Leu Val His Tyr Ser  
 275 280 285  
 Tyr Tyr Gln Asp Leu His Thr Tyr Tyr His Glu Gly Pro Gly Tyr Asp  
 290 295 300  
 Ile Ile Lys Ser Val Gly Ser Asn Leu Phe Asn Ala Ser Val Lys Leu  
 305 310 315 320  
 Leu Lys Gln Ser Glu Ile Gln Asp Gln Lys Val Trp Leu Ser Phe Thr  
 325 330 335  
 His Asp Thr Asp Ile Leu Asn Phe Leu Thr Thr Ala Gly Ile Ile Asp  
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 Asp Lys Asn Asn Leu Thr Ala Glu Tyr Val Pro Phe Met Gly Asn Thr  
 355 360 365  
 Phe His Arg Ser Trp Tyr Val Pro Gln Gly Ala Arg Val Tyr Thr Glu  
 370 375 380  
 Lys Phe Gln Cys Ser Asn Asp Thr Tyr Val Arg Tyr Val Ile Asn Asp  
 385 390 395 400  
 Ala Val Val Pro Ile Glu Thr Cys Ser Thr Gly Pro Gly Phe Ser Cys  
 405 410 415  
 Glu Ile Asn Asp Phe Tyr Asp Tyr Ala Glu Lys Arg Val Ala Gly Thr  
 420 425 430  
 Asp Phe Leu Lys Val Cys Asn Val Ser Ser Val Ser Asn Ser Thr Glu  
 435 440 445  
 Leu Thr Phe Tyr Trp Asp Trp Asn Thr Thr His Tyr Asn Ala Ser Leu  
 450 455 460  
 Leu Arg Gln  
 465

&lt;210&gt; 21

&lt;211&gt; 1563

&lt;212&gt; DNA

## &lt;213&gt; Candida albicans

## &lt;400&gt; 21

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tccatacatc tttgaactcc atacatctta tttttttgct gttttttttc agtgtctcgg 240
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## &lt;210&gt; 22

## &lt;211&gt; 236

## &lt;212&gt; PRT

## &lt;213&gt; Candida albicans

## &lt;400&gt; 22

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Met Lys Leu Asn Ile Ser Tyr Pro Val Asn Gly Ser Gln Lys Thr Phe
  1                      5                      10                      15

Glu Ile Asp Asp Glu His Arg Ile Arg Val Phe Phe Asp Lys Arg Ile
      20                      25                      30

Gly Gln Glu Val Asp Gly Glu Ala Val Gly Asp Glu Phe Lys Gly Tyr
      35                      40                      45

Val Phe Lys Ile Ser Gly Gly Asn Asp Lys Gln Gly Phe Pro Met Lys
      50                      55                      60

Gln Gly Val Leu Leu Pro Thr Arg Ile Lys Leu Leu Leu Thr Lys Asn
      65                      70                      75                      80

Val Ser Cys Tyr Arg Pro Arg Arg Asp Gly Glu Arg Lys Arg Lys Ser
      85                      90                      95

Val Arg Gly Ala Ile Val Gly Pro Asp Leu Ala Val Leu Ala Leu Val

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100					105					110						
Ile	Val	Lys	Lys	Gly	Glu	Gln	Glu	Leu	Glu	Gly	Leu	Thr	Asp	Thr	Thr	
115					120					125						
Val	Pro	Lys	Arg	Leu	Gly	Pro	Lys	Arg	Ala	Asn	Asn	Ile	Arg	Lys	Phe	
130					135					140						
Phe	Gly	Leu	Ser	Lys	Glu	Asp	Asp	Val	Arg	Asp	Phe	Val	Ile	Arg	Arg	
145					150					155					160	
Glu	Val	Thr	Lys	Gly	Glu	Lys	Thr	Tyr	Thr	Lys	Ala	Pro	Lys	Ile	Gln	
165					170					175						
Arg	Leu	Val	Thr	Pro	Gln	Arg	Leu	Gln	Arg	Lys	Arg	His	Gln	Arg	Ala	
180					185					190						
Leu	Lys	Val	Arg	Asn	Ala	Gln	Ala	Gln	Arg	Glu	Ala	Ala	Ala	Glu	Tyr	
195					200					205						
Ala	Gln	Leu	Leu	Ala	Lys	Arg	Leu	Ser	Glu	Arg	Lys	Ala	Glu	Lys	Ala	
210					215					220						
Glu	Ile	Arg	Lys	Arg	Arg	Ala	Ser	Ser	Leu	Lys	Ala					
225					230					235						

<210> 23  
 <211> 893  
 <212> DNA  
 <213> Candida albicans

<400> 23  
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 agtgtattac caacttgccg atgcaaggat atcacactcc tgtttctgcc tcatgtcttt 180  
 taaaacgctt ccacgggaca tgggttctaa ttatggagaa gatcaagctt tgaaatggcc 240  
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 tatcagtata tactcattgt gtttttcaaa aaatctctgg gttgtttaga tgccactata 360  
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 acgtcacttg gcttgatata ctgcacgctt tattctgcaa attcaggtct caaatctgaa 480  
 cggcgtggag ccaccaaggg atggagctgg caaaggaacg taatggccca catcaaaaac 540  
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 aaatgttgca catacgcttg gttgttcttt ggagccatta tccagaacag cacggacatg 720  
 gcactaacca ctatgaatac accaacaaca gtatagctaa attggacgcg cagagagtta 780  
 gtagaagaag aaggaagaaa agggaagcgg agagaagaga ttatgacaca tacaaactac 840  
 tcattactct ttgttcttta ttattcggtg gacctttggt tcttaaagta tag 893

<210> 24  
 <211> 130  
 <212> PRT  
 <213> Candida albicans

<400> 24



Met Glu Leu Ala Lys Glu Arg Asn Gly Pro His Gln Lys His His Gly  
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 20 25 30  
 Thr Asn Lys Leu Leu Leu Val Lys Lys Lys Gly Lys Leu Val Ile Trp  
 35 40 45  
 Arg His Ile Val Lys Lys Met Leu His Ile Arg Leu Val Val Leu Trp  
 50 55 60  
 Ser His Tyr Pro Glu Gln His Gly His Gly Thr Asn His Tyr Glu Tyr  
 65 70 75 80  
 Thr Asn Asn Ser Ile Ala Lys Leu Asp Ala Gln Arg Val Ser Arg Arg  
 85 90 95  
 Arg Arg Lys Lys Arg Glu Ala Glu Arg Arg Asp Tyr Asp Thr Tyr Lys  
 100 105 110  
 Leu Leu Ile Thr Leu Cys Ser Leu Leu Phe Val Gly Pro Leu Phe Leu  
 115 120 125  
 Lys Val  
 130

&lt;210&gt; 25

&lt;211&gt; 1429

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 25

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 aggcggttta ttatctttgt ccctttatac tgttgtgttt ctgtcttatt gcttcagtag 180  
 gcagcgata gtataaccag aaaaaagtga aaaataaact aaaaaagcac tatgagatga 240  
 acggtaaaaa tccaccagag atttgctcac taataatcct gtaccatgtc catcaacct 300  
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 atcagaattt gagaccagag agacacatgg cgaattgaac ttgaattcag taccaatata 660  
 caacggagaa ctggatttct ccgacaaaat catgaagagg tcatctacaa aggttatcgg 720  
 gaccctggaa gaactacttg agaactcacc atgttctgcg ctagaaggta tatcaaaatg 780  
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gcctctaatt gaagaactaa attcaagagg tatgaaaata gacagtttca tcatgaagta 1380  
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<210> 26  
 <211> 309  
 <212> PRT  
 <213> *Candida albicans*

<400> 26

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Leu	Phe	Gly	Leu	Ser	Lys	Pro	Tyr	Met	Asp	Val	Val	Gly	Phe	Ala	Lys	20	25	30	
Thr	Glu	Ser	Glu	Phe	Glu	Thr	Arg	Glu	Thr	His	Gly	Glu	Leu	Asn	Leu	35	40	45	
Asn	Ser	Val	Pro	Ile	Tyr	Asn	Gly	Glu	Leu	Asp	Phe	Ser	Asp	Lys	Ile	50	55	60	
Met	Lys	Arg	Ser	Ser	Thr	Lys	Val	Ile	Gly	Thr	Leu	Glu	Glu	Leu	Leu	65	70	75	80
Glu	Asn	Ser	Pro	Cys	Ser	Ala	Leu	Glu	Gly	Ile	Ser	Lys	Trp	His	Lys	85	90	95	
Ile	Gly	Gly	Ser	Val	Lys	Asp	Gly	Val	Leu	Cys	Ile	Leu	Ser	Gln	Asp	100	105	110	
Phe	Leu	Phe	Lys	Ala	Leu	His	Val	Leu	Leu	Met	Ser	Ala	Met	Ala	Glu	115	120	125	
Ser	Leu	Asp	Leu	Gln	His	Leu	Asn	Val	Glu	Asp	Thr	His	His	Ala	Val	130	135	140	
Gly	Lys	Asp	Ile	Glu	Asp	Glu	Phe	Asn	Pro	Tyr	Thr	Arg	Glu	Ile	Ile	145	150	155	160
Glu	Thr	Val	Leu	Asn	Lys	Phe	Ala	Val	Gln	Glu	Gln	Glu	Ala	Glu	Asn	165	170	175	
Asn	Thr	Trp	Arg	Leu	Arg	Ile	Pro	Phe	Ile	Ala	Gln	Trp	Tyr	Gly	Ile	180	185	190	
Gln	Ala	Leu	Arg	Lys	Tyr	Val	Ser	Gly	Ile	Ser	Met	Pro	Ile	Asp	Glu	195	200	205	
Phe	Leu	Ile	Lys	Trp	Lys	Ser	Leu	Phe	Pro	Pro	Phe	Phe	Pro	Cys	Asp	210	215	220	
Ile	Asp	Ile	Asp	Met	Leu	Arg	Gly	Tyr	His	Phe	Lys	Pro	Thr	Asp	Lys	225	230	235	240
Thr	Val	Gln	Tyr	Ile	Ala	Lys	Ser	Thr	Leu	Pro	Met	Asp	Pro	Lys	Glu	245	250	255	

Arg Phe Lys Val Leu Phe Arg Leu Gln Ser Gln Trp Asp Leu Glu Asp  
 260 265 270

Ile Lys Pro Leu Ile Glu Glu Leu Asn Ser Arg Gly Met Lys Ile Asp  
 275 280 285

Ser Phe Ile Met Lys Tyr Ala Arg Arg Lys Arg Leu Gly Lys Lys Thr  
 290 295 300

Val Val Thr Ser Arg  
 305

<210> 27  
 <211> 1952  
 <212> DNA  
 <213> Candida albicans

<400> 27  
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 attacgggag acaacgctga ggaggagttg gaaaggtaca tccgtgctat ggtcagagag 180  
 cagatgctgg gccagggctc catggcgggt tccggggacg aaccagattc caagagaaga 240  
 aaataacgac ccagcacaaa ggctcttaca gcttgctaaa agaaattgaa cgcgacgcta 300  
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 tagacgttct tacaaggtaa aatttcaccg cgttttttaa tagaatgaaa aaaacgttgt 420  
 agagtgaag aaaagcaaca aatatacagt tcacaaggca gcttcgtata gtaatacagc 480  
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<210> 28

&lt;211&gt; 483

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 28

Met Val Thr Gln Thr Asn Pro Val Pro Val Thr Tyr Pro Thr Asp Ala  
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 Tyr Ile Pro Thr Tyr Leu Pro Asp Asp Lys Val Ser Asn Leu Ala Asp  
 20 25 30  
 Leu Lys Lys Leu Ile Glu Met Asp Ser Arg Leu Asp Leu Tyr Leu Thr  
 35 40 45  
 Arg Arg Arg Leu Asp Thr Ser Ile Asn Leu Pro Thr Asn Thr Lys Thr  
 50 55 60  
 Lys Asp His Pro Pro Asn Lys Glu Met Leu Arg Ile Tyr Val Tyr Asn  
 65 70 75 80  
 Thr Thr Glu Ser Ser Pro Arg Ser Asp Ser Gly Thr Pro Ala Asp Ser  
 85 90 95  
 Gly Lys Thr Thr Trp Thr Leu Arg Ile Glu Gly Lys Leu Leu His Glu  
 100 105 110  
 Ser Ala Asn Gly Lys His Pro Phe Ser Glu Phe Leu Glu Gly Val Ala  
 115 120 125  
 Val Asp Phe Lys Arg Leu Lys Pro Leu Gly Met Gly Lys Lys Arg Lys  
 130 135 140  
 Arg Asp Ser Ser Leu Ser Leu Pro Leu Asn Leu Gln Gln Pro Glu Tyr  
 145 150 155 160  
 Asn Asp Gln Asp Ser Thr Met Gly Asp Asn Asp Asn Gly Glu Asp Glu  
 165 170 175  
 Asp Ser Ala Glu Ala Glu Ser Arg Glu Glu Ile Val Asp Ala Leu Glu  
 180 185 190  
 Trp Asn Tyr Asp Glu Asn Asn Val Val Glu Phe Asp Gly Ile Asp Ile  
 195 200 205  
 Lys Arg Gln Gly Lys Asp Asn Leu Arg Cys Ser Ile Thr Ile Gln Leu  
 210 215 220  
 Arg Gly Val Asp Gly Gly Lys Val Gln Tyr Ser Pro Asn Leu Ala Thr  
 225 230 235 240  
 Leu Ile Gly Met Gln Thr Gly Ser Val Asn Asp Ala Val Tyr Ser Ile  
 245 250 255  
 Tyr Lys Tyr Ile Leu Ile Asn Asn Leu Phe Val Thr Glu Gln Thr Glu  
 260 265 270  
 Ala Gln Asp Gly Ser Asn Asp Ala Glu Asp Ser Ser Asn Glu Asn Asn

275					280					285					
Asn	Lys	Asn	Gly	Ala	Gly	Asp	Asp	Asp	Gly	Val	Glu	Gly	Ser	Thr	Pro
290					295					300					
Lys	Asp	Lys	Pro	Glu	Leu	Gly	Glu	Val	Lys	Leu	Asp	Ser	Leu	Leu	Gln
305					310					315					320
Lys	Val	Leu	Asp	Thr	Asn	Ala	Ala	His	Leu	Pro	Leu	Met	Asn	Val	Val
				325					330					335	
Gln	Thr	Val	Asn	Lys	Leu	Val	Ser	Pro	Leu	Pro	Pro	Ile	Ile	Leu	Asp
			340					345					350		
Tyr	Thr	Ile	Asp	Leu	Ser	Lys	Asp	Thr	Thr	Tyr	Gly	Ala	Thr	Thr	Leu
		355					360					365			
Asp	Val	Asp	Val	Ser	His	Ile	Leu	His	Gln	Pro	Gln	Pro	Gln	Pro	Asn
370					375					380					
Leu	Gln	Lys	Glu	Glu	Glu	Thr	Asp	Ala	Glu	Asp	Thr	Ala	Lys	Leu	Arg
385					390					395					400
Glu	Ile	Thr	Lys	Leu	Ala	Leu	Gln	Leu	Asn	Ser	Ser	Ala	Gln	Lys	Tyr
			405						410					415	
Gln	Phe	Phe	His	Glu	Leu	Ser	Leu	His	Pro	Arg	Glu	Thr	Leu	Thr	His
			420					425					430		
Tyr	Leu	Trp	Ser	Ser	Lys	Gln	Asn	Glu	Leu	Val	Leu	Gln	Gly	Asp	Gln
		435					440						445		
Tyr	Phe	Asn	Glu	Asp	Ala	Ala	Arg	Thr	Ser	Asp	Ile	Tyr	Ser	Asn	Asn
450					455					460					
Asn	Asn	Asp	Arg	Ser	Leu	Met	Gly	Asn	Ile	Ser	Leu	Leu	Tyr	Ser	Gln
465					470					475					480
Gly Arg Leu															

&lt;210&gt; 29

&lt;211&gt; 911

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 29

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tggccagaac aatactgcaa cgtgcatata gtcgttagtc tgtgcttgca catccacggc 240
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ctaactgtgc acgaggcacc ctgcagatgc aagtgtctacc gttgttagtt tcgttctttt 360
gaatgcagcg cagacagcac agtttttcat acccggtttt gcgccatttg gcaattagca 420
atttatcagc atactttttc tttatcaacc aatcgtaaag gtctttggag atggcctttc 480

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<210> 30  
 <211> 136  
 <212> PRT  
 <213> *Candida albicans*

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<400> 30
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Ser Leu Asp Phe Ala Ala Ser Leu Asp Asp Leu Ser Phe Trp Ala Ser
      20              25              30

Leu Ser Trp Ile Ser Lys Ser Val Arg Val Gly Leu Ile Phe Ser Asn
  35              40              45

Pro Ser Gly Ala Gly Leu Asp Leu Leu Val Phe Met Arg Gly Met Ser
  50              55              60

Phe Cys Glu Val Ser Phe Ala Ser Leu Asp Gly Cys Arg Gly Val Tyr
  65              70              75              80

Ile Asp Asp Glu Ser Leu Arg Lys Phe Phe Phe Phe Phe Gln Tyr Phe
      85              90              95

Thr Phe Arg Cys Glu Arg Gln Met Tyr Tyr Ala Phe Lys Ser Gln Arg
  100              105              110

Ser Ile Ile Val Lys Val Pro Thr Thr Thr Arg Val Ile Asp Leu Val
  115              120              125

Leu Val Val Asn Val Leu Ser Leu
  130              135

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<210> 31  
 <211> 1448  
 <212> DNA  
 <213> *Candida albicans*

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<400> 31
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ttttcaccta caaggaacta ctttttatag ccaccctaag taaaacaaca ttagcttagc 180
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ttttttacat aaggtagcaa ggcaagagaa aagacccgcg aaattttcaa ttcgagacat 300
agggttaata cgaaatatgt taaggtctag tttccaaaaa atgaagaaaa tgtgattaga 360

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gcaatttgca gcaagacaat atgactacga cggtagccaa gatattcgcg tttcacgagt 540
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ctccaaagaa cgagaggaaa cactctgttc ccaacatcag catgaatgca ctggatatga 660
cgagagaggc ctcttgcaaa agcacagcat ctgccgcgga agggaaaagt ggtagcagtg 720
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gtgggtcatt gatcgaagtg ctacacgaag gtctgctaaa acgagacgat gtacgggtgg 840
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ctatttaa
1448

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&lt;210&gt; 32

&lt;211&gt; 315

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 32

```

Met Thr Thr Thr Val Pro Lys Ile Phe Ala Phe His Glu Phe Ser Asp
 1             5             10             15

Val Ala Glu Ala Val Ala Asp His Val Val His Ala Gln Asp Gly Ala
      20             25             30

Leu Ala Pro Lys Asn Glu Arg Lys His Ser Val Pro Asn Ile Ser Met
 35             40             45

Asn Ala Leu Asp Met Thr Arg Glu Ala Ser Cys Lys Ser Thr Ala Ser
 50             55             60

Ala Ala Glu Gly Lys Ser Gly Ser Ser Gly Ser Gly Ser Gly Ser Ser
 65             70             75             80

Lys Pro Lys Lys Glu Lys Arg Phe Lys Ile Ala Leu Ser Gly Gly Ser
      85             90             95

Leu Ile Glu Val Leu His Glu Gly Leu Leu Lys Arg Asp Asp Val Arg
 100             105             110

Trp Gly Asp Trp Asp Ile Tyr Phe Ala Asp Glu Arg Leu Val Pro Phe
 115             120             125

Ser Ser Asn Glu Ser Asn Tyr Gly Cys Ala Lys Arg Lys Ile Leu Asp
 130             135             140

Leu Ile Asp Thr Ala Lys Tyr Gly Thr Pro Lys Val Tyr His Ile Asp
 145             150             155             160

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Glu Ser Leu Ile Asp Asp Pro Gln Glu Cys Val Asp Asn Tyr Glu Lys  
 165 170 175  
 Val Leu Ile Arg Gly Phe Ala Gly Arg Asp Ser Val Lys Leu Pro Met  
 180 185 190  
 Phe Asp Leu Phe Leu Leu Gly Cys Ala Pro Asp Gly His Ile Ala Ser  
 195 200 205  
 Leu Phe Pro Asn Phe Gln Asp Asn Leu Arg Glu Lys Leu Ala Trp Val  
 210 215 220  
 Val Pro Val Glu Asn Ala Pro Ser Gly Pro Ser Thr Arg Ile Ser Leu  
 225 230 235 240  
 Thr Ile Pro Val Ile Cys His Ser His Arg Val Thr Phe Val Val Glu  
 245 250 255  
 Gly Ala Thr Lys Ala Pro Ile Ile Lys Thr Ile Met Glu Arg Pro Glu  
 260 265 270  
 Lys Gly Leu Pro Ser Ser Ile Val Asn Glu Gly Ala Ala Gly Arg Val  
 275 280 285  
 Ser Trp Phe Val Asp Asp Asp Ala Leu Thr Asp Val Leu Val Thr Lys  
 290 295 300  
 Lys Lys Tyr Lys Phe His Gln Gly Leu Ser Ile  
 305 310 315

<210> 33  
 <211> 1196  
 <212> DNA  
 <213> Candida albicans

<400> 33  
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 ctcagctacc gattagtgtt gttgactttt ccgcaagatc cttttctccc tctttggacc 180  
 tagtcatccc tccacacaag attcgctctt aagtagtggc gcaggctgtt cgcttttaag 240  
 catagtgcct aatgtcgaag gctttataga tcccaaatac tacgccttga gaaattgaat 300  
 gcactagcag ttagttaact ttctggaacg cgcattgacgc gtcccggggc gcctgaggcg 360  
 gagcgttcgc gaaatcggga aacattata ctgggaaaga tcactatcta ttctctaaat 420  
 gaacttttaa gcaaatatc gtaagataga aaagacgaaa ccttagcaac ctacggtttt 480  
 aatatagaaa caattttatt atgatacctt ccaataagag aaatgctaga attttaagca 540  
 ttacaacgct attattgttg ttagtgtttt tcgtagcgca aaatgcgaac ttcttgacgg 600  
 tagagataaa agaggaaact tctaaagcat ttagtactaa tatggacaat atggctggag 660  
 gatcttccag ggaatatgct gctatgccga cttctaccac gaataagggg agctctgaag 720  
 tagacgaaga aattaatgaa ataaaacaga aggtgggact ccaacagccc atagcatcgg 780  
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 gcacctgttc atatagcaag ggcattgaag aactgcttga aaatgagtat cagtttatcc 960  
 caaactacta tattatagaa cttgacaaac atggacatgg ggaagagctg caagaatata 1020  
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 gaggtaatga agaaatcaag aaactgcaca ctcaagggaa acttttagaa tcattacaag 1140



tctggagtga tggtaaattc tcggttgagc aacgtgaaaa accttccaat aattga 1196

<210> 34

<211> 231

<212> PRT

<213> Candida albicans

<400> 34

Met	Ile	Pro	Ser	Asn	Lys	Arg	Asn	Ala	Arg	Ile	Leu	Ser	Ile	Thr	Thr
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Leu	Leu	Leu	Leu	Leu	Val	Phe	Phe	Val	Ala	Gln	Asn	Ala	Asn	Phe	Leu
			20					25					30		
Thr	Val	Glu	Ile	Lys	Glu	Glu	Thr	Ser	Lys	Ala	Phe	Ser	Thr	Asn	Met
	35						40					45			
Asp	Asn	Met	Ala	Gly	Gly	Ser	Ser	Arg	Glu	Tyr	Ala	Ala	Met	Pro	Thr
	50					55					60				
Ser	Thr	Thr	Asn	Lys	Gly	Ser	Ser	Glu	Val	Asp	Glu	Glu	Ile	Asn	Glu
	65				70					75					80
Ile	Lys	Gln	Lys	Val	Gly	Leu	Gln	Gln	Pro	Ile	Ala	Ser	Val	Asp	Asp
				85					90					95	
Ser	Leu	Ser	Ala	Ile	Lys	Asn	Asp	Lys	Gly	Ser	Arg	Ile	Thr	Lys	Ala
			100					105					110		
Phe	Asn	Val	Gln	Lys	Glu	Tyr	Ser	Leu	Ile	Leu	Asp	Leu	Ser	Pro	Ile
		115					120					125			
Ile	Ile	Phe	Ser	Lys	Ser	Thr	Cys	Ser	Tyr	Ser	Lys	Gly	Met	Lys	Glu
	130					135					140				
Leu	Leu	Glu	Asn	Glu	Tyr	Gln	Phe	Ile	Pro	Asn	Tyr	Tyr	Ile	Ile	Glu
145					150					155					160
Leu	Asp	Lys	His	Gly	His	Gly	Glu	Glu	Leu	Gln	Glu	Tyr	Ile	Lys	Leu
				165					170					175	
Val	Thr	Gly	Arg	Gly	Thr	Val	Pro	Asn	Leu	Leu	Val	Asn	Gly	Val	Ser
			180					185					190		
Arg	Gly	Gly	Asn	Glu	Glu	Ile	Lys	Lys	Leu	His	Thr	Gln	Gly	Lys	Leu
		195					200					205			
Leu	Glu	Ser	Leu	Gln	Val	Trp	Ser	Asp	Gly	Lys	Phe	Ser	Val	Glu	Gln
	210					215					220				
Arg	Glu	Lys	Pro	Ser	Asn	Asn									
225					230										

<210> 35

&lt;211&gt; 1889

&lt;212&gt; DNA

<213> *Candida albicans*

&lt;400&gt; 35

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caataaccagg tacgactcct gatccaataa ttgaggcgca gaacgataat gatagtagtg 180
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tataatggaa taggaaactt atgcaaagaa ataatagggt aagaaatttg tttacagtgc 540
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gtaatgcaac ctcaaatgag tttgatgaac atttgcaaaa tgagggttgaa agagagaggg 660
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&lt;210&gt; 36

&lt;211&gt; 462

&lt;212&gt; PRT

<213> *Candida albicans*

&lt;400&gt; 36

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Met Gln Arg Asn Asn Arg Leu Arg Asn Leu Phe Thr Val Pro Val Ile
 1             5             10             15

Met Ala Arg Gln Leu Lys Arg Asn Ala Leu Ser Ala Gly Leu Ala Phe
                20                25                30

Ala Gly Asn Ala Thr Ser Asn Glu Phe Asp Glu His Leu Gln Asn Glu
 35             40             45

Val Glu Arg Glu Arg Glu Ile Gln Lys Lys Lys Lys Ile Lys Arg Thr
 50             55             60

```

Gln Ser Lys Lys Ser Pro Asp Leu Ile Asn Lys Ser Thr Phe Gln Ser  
 65 70 75 80  
 Arg Thr Ile Gly Ser Lys Lys Glu Lys His Arg Gln Leu Asp Pro Glu  
 85 90 95  
 Tyr Glu Ile Val Ile Asp Gly Pro Leu Arg Lys Ile Lys Pro Tyr His  
 100 105 110  
 Phe Thr Tyr Arg Thr Phe Cys Lys Glu Arg Trp Arg Asp Lys Lys Leu  
 115 120 125  
 Val Asp Val Phe Ile Ser Glu Phe Arg Asp Arg Glu Ser Glu Tyr Tyr  
 130 135 140  
 Lys Arg Thr Ile Glu Asn Gly Asp Val His Ile Asn Asp Glu Thr Ala  
 145 150 155 160  
 Asp Leu Ser Thr Val Ile Arg Asn Gly Asp Leu Ile Thr His Gln Val  
 165 170 175  
 His Arg His Glu Pro Pro Val Thr Ser Arg Pro Ile Lys Val Ile Phe  
 180 185 190  
 Glu Asp Asp Asn Ile Met Val Ile Asp Lys Pro Ser Gly Ile Pro Val  
 195 200 205  
 His Pro Thr Gly Arg Tyr Arg Phe Asn Thr Ile Thr Lys Met Leu Gln  
 210 215 220  
 Asn Asn Leu Gly Phe Val Val Asn Pro Cys Asn Arg Leu Asp Arg Leu  
 225 230 235 240  
 Thr Ser Gly Leu Met Phe Leu Ala Lys Thr Pro Lys Gly Ala Asp Asn  
 245 250 255  
 Ile Gly Asp Gln Leu Lys Ala Arg Glu Val Thr Lys Glu Tyr Val Ala  
 260 265 270  
 Lys Val Val Gly Glu Phe Pro Glu Thr Glu Val Ile Val Glu Lys Pro  
 275 280 285  
 Leu Lys Leu Ile Glu Pro Arg Leu Ala Leu Asn Ala Val Cys Gln Met  
 290 295 300  
 Asp Glu Lys Gly Ala Lys His Ala Lys Thr Val Phe Asn Arg Ile Ser  
 305 310 315 320  
 Tyr Asp Gly Lys Thr Ser Ile Val Lys Cys Lys Pro Leu Thr Gly Arg  
 325 330 335  
 Ser His Gln Ile Arg Val His Leu Gln Tyr Leu Gly His Pro Ile Ala  
 340 345 350  
 Asn Asp Pro Ile Tyr Ser Asn Asp Glu Val Trp Gly Asn Asn Leu Gly  
 355 360 365

Lys Gly Gly Gln Ala Asp Phe Asp Ile Val Ile Thr Lys Leu Asp Glu  
 370 375 380  
 Ile Gly Lys Arg Lys Pro Ala Lys Ser Trp Phe His Ser Asn Gly Gly  
 385 390 395 400  
 Tyr Gly Glu Val Leu Arg Gln Glu Lys Cys Ser Ile Cys Glu Ser Asp  
 405 410 415  
 Leu Tyr Thr Asp Pro Gly Pro Asn Asp Leu Asp Leu Trp Leu His Ala  
 420 425 430  
 Tyr Leu Tyr Glu Ser Thr Glu Thr Glu Glu Gly Thr Glu Lys Lys Lys  
 435 440 445  
 Trp Cys Tyr Lys Thr Glu Tyr Pro Glu Trp Ala Leu Arg Arg  
 450 455 460

<210> 37  
 <211> 1364  
 <212> DNA  
 <213> *Candida albicans*

<400> 37  
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 ctgatattca gaaaaaacac ccatacatgt tgaaaaataa tgcattgtga aaaaaagtgg 180  
 ttgaaaaatg tatgcgatct aggaaaaact gaattttcct taggttgtcg ctcctcctct 240  
 agaaggatgc tgtggccttt gacctgggcg gaaattctct ctgtttccct ctagctgagg 300  
 gaaacagaac tggtagcagt tcgttcggcg caggccgcgt gagcctatac caccgaatat 360  
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 ggttacgcag tagactattt aatatatacc tttttattta gcagtgtttc gaaaaatata 480  
 gcaagagaat aagcaacaag atgtctgccg tcccaagtgt ccaagtatgt taaataattt 540  
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 gtggtaaggg tgctcgttct agattccaaa aatcttaccg ttaa 1364

<210> 38  
 <211> 143  
 <212> PRT  
 <213> *Candida albicans*

<400> 38

Met	Ser	Ala	Val	Pro	Ser	Val	Gln	Thr	Phe	Gly	Lys	Lys	Lys	Ser	Ala
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Thr	Ala	Val	Ala	His	Val	Lys	Ala	Gly	Lys	Gly	Leu	Ile	Lys	Val	Asn
		20						25					30		
Gly	Ser	Pro	Ile	Thr	Leu	Val	Glu	Pro	Glu	Ile	Leu	Arg	Phe	Lys	Val
		35					40					45			
Tyr	Glu	Pro	Leu	Leu	Leu	Val	Gly	Leu	Asp	Lys	Phe	Ser	Asn	Ile	Asp
	50					55					60				
Ile	Arg	Val	Arg	Val	Thr	Gly	Gly	Gly	His	Val	Ser	Gln	Val	Tyr	Ala
65					70					75					80
Ile	Arg	Gln	Ala	Ile	Ala	Lys	Gly	Leu	Val	Ala	Tyr	His	Gln	Lys	Tyr
				85					90					95	
Val	Asp	Glu	Gln	Ser	Lys	Asn	Glu	Leu	Lys	Lys	Ala	Phe	Thr	Ser	Tyr
		100						105					110		
Asp	Arg	Thr	Leu	Leu	Ile	Ala	Asp	Ser	Arg	Arg	Pro	Glu	Pro	Lys	Lys
	115						120					125			
Phe	Gly	Gly	Lys	Gly	Ala	Arg	Ser	Arg	Phe	Gln	Lys	Ser	Tyr	Arg	
	130					135					140				

&lt;210&gt; 39

&lt;211&gt; 1088

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 39

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ccgattag                                     1088

```

&lt;210&gt; 40

42

&lt;211&gt; 158

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 40

```

Met Glu Pro Leu Ile Ser Ala Pro Tyr Leu Thr Thr Thr Lys Met Ser
  1             5             10             15

Ala Pro Ala Thr Leu Asp Ala Ala Cys Ile Phe Cys Lys Ile Ile Lys
          20             25             30

Ser Glu Ile Pro Ser Phe Lys Leu Ile Glu Thr Lys Tyr Ser Tyr Ala
          35             40             45

Phe Leu Asp Ile Gln Pro Thr Ala Glu Gly His Ala Leu Ile Ile Pro
          50             55             60

Lys Tyr His Gly Ala Lys Leu His Asp Ile Pro Asp Glu Phe Leu Thr
          65             70             75             80

Asp Ala Met Pro Ile Ala Lys Arg Leu Ala Lys Ala Met Lys Leu Asp
          85             90             95

Thr Tyr Asn Val Leu Gln Asn Asn Gly Lys Ile Ala His Gln Glu Val
          100            105            110

Asp His Val His Phe His Leu Ile Pro Lys Arg Asp Glu Lys Ser Gly
          115            120            125

Leu Ile Val Gly Trp Pro Ala Gln Glu Thr Asp Phe Asp Lys Leu Gly
          130            135            140

Lys Leu His Lys Glu Leu Leu Ala Lys Leu Glu Gly Ser Asp
          145            150            155

```

&lt;210&gt; 41

&lt;211&gt; 578

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 41

```

aaaggtgggt ggagactttg tggtgtagct tagaatttct tccactatat gaaagccaag 60
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```

&lt;210&gt; 42

&lt;211&gt; 25

43

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 42

Met Arg Ala Lys Trp Arg Lys Lys Arg Thr Arg Arg Leu Lys Arg Lys  
 1 5 10 15

Arg Arg Lys Val Arg Ala Arg Ser Lys  
 20 25

&lt;210&gt; 43

&lt;211&gt; 1268

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 43

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 aggtcttaa 1268

&lt;210&gt; 44

&lt;211&gt; 120

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 44

Met Ala Gly Val Lys Ala Tyr Glu Leu Arg Thr Lys Ser Lys Glu Gln  
 1 5 10 15

Leu Ala Ser Gln Leu Val Asp Leu Lys Lys Glu Leu Ala Glu Leu Lys  
 20 25 30

Val Gln Lys Leu Ser Arg Pro Ser Leu Pro Lys Ile Lys Thr Val Arg  
 35 40 45

Lys Ser Ile Ala Cys Val Leu Thr Val Ile Asn Glu Gln Gln Arg Glu  
 50 55 60  
 Ala Val Arg Gln Leu Tyr Lys Gly Lys Lys Tyr Gln Pro Lys Asp Leu  
 65 70 75 80  
 Arg Ala Lys Lys Thr Arg Ala Leu Arg Arg Ala Leu Thr Lys Phe Glu  
 85 90 95  
 Ala Ser Gln Val Thr Glu Lys Gln Arg Lys Lys Gln Ile Ala Phe Pro  
 100 105 110  
 Gln Arg Lys Tyr Ala Ile Lys Ala  
 115 120

&lt;210&gt; 45

&lt;211&gt; 2660

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 45

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atagttcaat acgttgtag 2660

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&lt;210&gt; 46

&lt;211&gt; 719

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 46

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Met His Tyr Val Val Leu Glu Leu Gln Val Ala His Leu Pro Asp Thr
  1              5              10              15

Pro Lys Asp Gln Cys Arg Ile Ala Asn Ile Ala Phe Gln Ile Val Asn
      20              25              30

Ala Glu Thr Leu Val Cys His Tyr Gly Thr Asn Ser Leu Pro Ser Ile
      35              40              45

Glu Val Asn Gly Thr Thr Lys Ser Leu Glu Ser Ala Met Val Gln Leu
      50              55              60

Asp Lys Asp Ile His Asp Val Ile Gly Asn Asp Asp Phe Val Leu Val
      65              70              75              80

Ser Leu Tyr Ser Thr Trp His Ile Arg Val Thr Leu Pro Arg Gln Ala
      85              90              95

Arg Asp Asp Gly Phe Ile Leu Thr Ser Tyr Leu Gln His Pro Lys Val
      100              105              110

Phe Asp Leu Trp Lys Glu Phe Asp Arg Trp Cys Val Asn His Pro Glu
      115              120              125

Ile Leu Gly Gln Lys Lys Ala Ile Ser Asn Asn Asn Cys Asn Thr Lys
      130              135              140

Ser Ile Ser Ile Asn Ala Ala Lys Asn Thr Lys Asp Leu Asp Glu Ile
      145              150              155              160

Val Arg Ile Leu Glu Val Ser Ile Pro Thr Glu Glu Ala Gly Ser Val
      165              170              175

Pro Glu Ile Tyr Ser Leu Leu Lys Arg Thr Thr Asp Ile Leu Ile Gln
      180              185              190

Leu His Lys Lys Cys Thr Ser Pro Glu Asp Met Glu Ser Val Leu Thr
      195              200              205

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Lys	Pro	Tyr	Asp	Ser	His	Thr	Asp	Ile	Arg	Ala	Phe	Leu	Gln	Glu	Lys
210						215					220				
Ser	Lys	Ile	Leu	Tyr	Met	Asn	Asn	Leu	Pro	Pro	Asp	Thr	Thr	Gln	Ser
225					230					235					240
Glu	Leu	Glu	Ser	Trp	Phe	Thr	Gln	Tyr	Gly	Val	Arg	Pro	Val	Gly	Phe
				245					250					255	
Trp	Thr	Val	Lys	Asn	Ile	Val	Glu	Asp	Thr	Ser	Asn	Val	Asn	Asn	Asn
			260					265					270		
Trp	Ser	Leu	Asn	Asn	Ser	Pro	Tyr	Val	Glu	Asp	Gln	Asp	Ser	Ile	Ser
		275					280					285			
Gly	Phe	Val	Val	Phe	Gln	Thr	His	Glu	Glu	Ala	Thr	Glu	Val	Leu	Ala
	290					295					300				
Leu	Asn	Gly	Arg	Ser	Ile	Leu	Ser	Asn	Leu	Ala	Asn	Thr	Lys	Gln	Pro
305					310					315					320
Arg	Val	Val	Glu	His	Val	Leu	Glu	Leu	Gln	Pro	Ser	Ser	Thr	Gly	Val
				325					330					335	
Leu	Asp	Lys	Ala	Gln	Glu	Ile	Leu	Ser	Pro	Phe	Pro	Gln	Ser	Lys	Asn
			340					345					350		
Lys	Pro	Arg	Pro	Gly	Asp	Trp	Asn	Cys	Pro	Ser	Cys	Gly	Phe	Ser	Asn
		355					360					365			
Phe	Gln	Arg	Arg	Thr	Ala	Cys	Phe	Arg	Cys	Ser	Phe	Pro	Ala	Pro	Ser
	370					375					380				
Asn	Ser	Gln	Ile	His	Thr	Ala	Asn	Ser	Asn	Asn	Asn	Val	Asn	Ser	Ser
385					390					395					400
Arg	Asn	Asn	Leu	Asn	Asn	Arg	Val	Asn	Ser	Gly	Ser	Ser	Ser	Asn	Ile
				405					410					415	
Ser	Asn	Thr	Ala	Ala	Asn	His	Pro	Tyr	Gly	Ala	Pro	Glu	Phe	Asn	Met
			420					425					430		
Ile	Ala	Asn	Asn	Thr	Pro	Ala	Ala	Leu	Thr	Tyr	Asn	Arg	Ala	His	Phe
		435					440					445			
Pro	Ala	Ile	Thr	Pro	Leu	Ser	Arg	Gln	Asn	Ser	Leu	Asn	Met	Ala	Pro
						455					460				
Ser	Asn	Ser	Gly	Ser	Pro	Ile	Ile	Ile	Ala	Asp	His	Phe	Ser	Gly	Asn
465					470					475					480
Asn	Asn	Ile	Ala	Pro	Asn	Tyr	Arg	Tyr	Asn	Asn	Asn	Ile	Asn	Asn	Asn
				485					490					495	
Asn	Asn	Asn	Ile	Asn	Asn	Met	Thr	Asn	Asn	Arg	Tyr	Asn	Ile	Asn	Asn
			500					505					510		

Asn Ile Asn Gly Asn Gly Asn Gly Asn Gly Asn Asn Ser Asn Asn Asn  
 515 520 525  
 Asn Asn His Asn Asn Asn His Asn Asn Asn His His Asn Gly Ser Ile  
 530 535 540  
 Asn Ser Asn Ser Asn Thr Asn Asn Asn Asn Asn Asn Asn Gly Asn  
 545 550 555 560  
 Asn Ser Asn Asn Cys Asn Ser Asn Ile Gly Met Gly Gly Cys Gly Ser  
 565 570 575  
 Asn Met Pro Phe Arg Ala Gly Asp Trp Lys Cys Ser Thr Cys Thr Tyr  
 580 585 590  
 His Asn Phe Ala Lys Asn Val Val Cys Leu Arg Cys Gly Gly Pro Lys  
 595 600 605  
 Ser Ile Ser Gly Asp Ala Ser Glu Thr Asn His Tyr Ile Asp Ser Ser  
 610 615 620  
 Thr Phe Gly Pro Ala Ser Arg Thr Pro Ser Asn Asn Asn Ile Ser Val  
 625 630 635 640  
 Asn Thr Asn Gly Gly Ser Asn Ala Gly Arg Thr Asp Gly Asn Asp Asn  
 645 650 655  
 Lys Gly Arg Asp Ile Ser Leu Met Glu Phe Met Ser Pro Pro Leu Ser  
 660 665 670  
 Met Ala Thr Lys Ser Met Lys Glu Gly Asp Gly Asn Gly Ser Ser Phe  
 675 680 685  
 Asn Glu Phe Lys Ser Asp Lys Ala Asn Val Asn Phe Ser Asn Val Gly  
 690 695 700  
 Asp Asn Ser Ala Phe Gly Asn Gly Phe Asn Ser Ser Ile Arg Trp  
 705 710 715

&lt;210&gt; 47

&lt;211&gt; 578

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 47

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48

agagaaagag acggaaggtg agagccagat ccaaataa

578

&lt;210&gt; 48

&lt;211&gt; 25

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 48

Met Arg Ala Lys Trp Arg Lys Lys Arg Thr Arg Arg Leu Lys Arg Lys  
 1 5 10 15

Arg Arg Lys Val Arg Ala Arg Ser Lys  
 20 25

&lt;210&gt; 49

&lt;211&gt; 1354

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 49

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&lt;210&gt; 50

&lt;211&gt; 120

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 50

Met Ala Gly Val Lys Ala Tyr Glu Leu Arg Thr Lys Ser Lys Glu Gln  
 1 5 10 15

Leu Ala Ser Gln Leu Val Asp Leu Lys Lys Glu Leu Ala Glu Leu Lys  
                   20                  25                  30  
 Val Gln Lys Leu Ser Arg Pro Ser Leu Pro Lys Ile Lys Thr Val Arg  
                   35                  40                  45  
 Lys Ser Ile Ala Cys Val Leu Thr Val Ile Asn Glu Gln Gln Arg Glu  
                   50                  55                  60  
 Ala Val Arg Gln Leu Tyr Lys Gly Lys Lys Tyr Gln Pro Lys Asp Leu  
                   65                  70                  75                  80  
 Arg Ala Lys Lys Thr Arg Ala Leu Arg Arg Ala Leu Thr Lys Phe Glu  
                   85                  90                  95  
 Ala Ser Gln Val Thr Glu Lys Gln Arg Lys Lys Gln Ile Ala Phe Pro  
                   100                  105                  110  
 Gln Arg Lys Tyr Ala Ile Lys Ala  
                   115                  120

&lt;210&gt; 51

&lt;211&gt; 3254

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 51

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&lt;210&gt; 52

&lt;211&gt; 917

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 52

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Met Met Glu Thr Pro Thr Asp Asn Ile Val Ser Pro Phe His Asn Phe
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Gly Ser Ser Thr Gln Tyr Ser Gly Thr Leu Ser Arg Thr Pro Asn Gln
      20                      25                      30

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Ile Ile Glu Leu Glu Lys Pro Ser Thr Leu Ser Pro Leu Ser Arg Gly
    35                      40                      45

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```

Lys Lys Trp Thr Glu Lys Leu Ala Arg Phe Gln Arg Ser Ser Ala Lys
    50                      55                      60

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```

Lys Lys Arg Phe Ser Pro Ser Pro Ile Ser Ser Ser Thr Phe Ser Phe
    65                      70                      75                      80

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```

Ser Pro Lys Ser Arg Val Thr Ser Ser Asn Ser Ser Gly Asn Glu Asp
      85                      90                      95

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Gly Asn Leu Met Asn Thr Pro Ser Thr Val Ser Thr Asp Tyr Leu Pro
    100                      105                      110

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Gln His Pro His Arg Thr Ser Ser Leu Pro Arg Pro Asn Ser Asn Leu

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115					120					125						
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Tyr	Pro	Ile	Gln	Arg	Thr	Ser	Ile	Lys	Lys	Ser	Phe	Leu	Asn	Ala	Ser	
165					170					175						
Cys	Thr	Leu	Cys	Asp	Glu	Pro	Ile	Ser	Asn	Arg	Arg	Lys	Gly	Glu	Lys	
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Ile	Ile	Glu	Leu	Ala	Cys	Gly	His	Leu	Ser	His	Gln	Glu	Cys	Leu	Ile	
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Phe	Cys	Thr	Lys	Cys	Lys	Lys	Asp	Thr	Asn	Lys	Ala	Val	Gln	Cys	Ile	
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Pro	Glu	Asn	Asp	Glu	Leu	Lys	Asp	Ile	Leu	Ile	Ser	Asp	Phe	Leu	Ile	
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Pro	Pro	Tyr	Ser	Pro	Leu	Leu	Pro	Pro	Phe	Gly	Leu	Ser	Tyr	Thr	Pro	
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Val	Glu	Arg	Gln	Thr	Ile	Tyr	Ser	Gln	Ala	Pro	Ser	Leu	Asn	Pro	Asn	
290					295					300						
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Pro	Ser	Gly	Ala	Asn	Ser	Ile	Leu	Ala	Asp	Thr	Ser	Val	Ala	Leu	Ser	
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Ile	Leu	Leu	Asn	Asn	Phe	Gln	Glu	Glu	Leu	Gln	Asp	Trp	Arg	Ile	Asp	
385					390					395					400	
Gly	Asp	Tyr	Gly	Leu	Leu	Arg	Leu	Val	Asp	Lys	Leu	Met	Ile	Ser	Lys	
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Leu	Lys	Asn	Leu	Glu	Val	Phe	Thr	Pro	Ile	Ala	Asn	Leu	Arg	Met	Thr
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Asn	Leu	Lys	Ser	Lys	Ser	Ser	Ser	Thr	Gln	Phe	Ser	Pro	Ile	Trp	Leu
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Lys	Asn	Thr	Leu	Tyr	Pro	Glu	Asn	Ile	His	Glu	His	Leu	Gly	Ile	Val
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Ala	Val	Ser	Asn	Ser	Asn	Met	Glu	Ala	Lys	Lys	Ser	Ile	Leu	Phe	Gln
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Asp	Tyr	Arg	Cys	Phe	Thr	Ser	Phe	Gly	Arg	Arg	Arg	Pro	Asn	Glu	Leu



725					730					735					
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Tyr	Ser	Phe	Gly	Leu	Ser	Phe	Asp	Glu	His	Asp	Asp	Asp	Glu	Glu	
	770					775					780				
Asp	Asn	Asp	Asp	Ser	Thr	Asp	Asn	Glu	Leu	Asp	Asn	Ser	Ser	Gly	Ser
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Leu	Ser	Asp	Ala	Glu	Ser	Thr	Thr	Thr	Ile	His	Ile	Asp	Ser	Pro	Phe
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Thr	Glu	Gly	Glu	His	Ser	Asn	Ile	Glu	Asn	Leu	Glu	Thr	Val	Ala	Ser
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His	Met	Asp	Tyr	Ile											
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&lt;210&gt; 53

&lt;211&gt; 3422

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 53

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&lt;210&gt; 54

&lt;211&gt; 973

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 54

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10

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 Ile Arg Phe Val Met Pro Ser Lys Asn Lys Glu Leu Lys Lys Leu Leu  
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 Tyr Phe Tyr Trp Glu Ile Val Pro Lys Leu Ala Glu Asp Gly Lys Leu  
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 Arg His Glu Met Ile Leu Val Cys Asn Ala Ile Gln His Asp Leu Gln  
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 130 135 140  
 Cys Leu Glu Tyr Arg His Ala Tyr Val Arg Lys Tyr Ala Ile Leu Ala  
 145 150 155 160  
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 His Tyr Leu Glu Asn Asn Ile Ala Asp Ile Glu Asn Leu Asp Pro Leu  
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 Pro Ala Leu Lys Ala Gln Tyr Ile Glu Leu Leu Met Glu Leu Leu Ser  
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Glu Leu Thr Leu Asp Ile Leu Arg Val Leu Asn Ala Glu Asp Leu Asp  
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 450 455 460  
 Glu Tyr Ala Glu Gly Glu Ser Glu Ile Gln His Cys Trp Lys His Ile  
 465 470 475 480  
 Arg Asn Ser Val Gly Glu Val Pro Ile Leu Gln Ser Glu Ile Lys Lys  
 485 490 495  
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 Ala Lys Pro Thr Gly Pro Val Ile Leu Pro Asp Gly Thr Tyr Ala Thr  
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 530 535 540  
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 Phe Tyr Thr Ala Ala Ile Leu Ala Asn Thr Ile Ile Lys Leu Val Leu  
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 Lys Phe Glu Asn Val Ser Lys Asn Lys Thr Val Ile Asn Ala Leu Lys  
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 Ser Leu Val Glu Lys Lys Ile Asp Glu Asp Ser Leu Glu Arg Val Met  
 610 615 620

Thr Ser Ile Ser Ile Leu Leu Asp Glu Val Asn Pro Glu Glu Lys Lys  
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58

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 <212> PRT  
 <213> Candida albicans

<400> 56  
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 Pro Ser Pro Gln Ile Ala Gln Pro Ser Thr Ser Gln Lys Leu Pro Tyr  
                   35                                  40                                  45  
 Arg Ile Asn Pro Thr Thr Thr Asn Gly Asp Thr Asp Ile Ser Val Asn  
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 Ser Asn Pro Ile Gln Pro Pro Leu Pro Asn Leu Met His Leu Ser Gly  
                   65                                  70                                  75                                  80  
 Pro Ser Asp Tyr Arg Ser Met His Gln Ser Pro Ile His Pro Ser Tyr  
                                   85                                  90                                  95  
 Ile Ile Pro Pro His Ser Asn Glu Arg Lys Gln Ser Ala Ser Tyr Asn  
                                   100                                  105                                  110  
 Arg Pro Gln Asn Ala His Val Ser Ile Gln Pro Ser Val Val Phe Pro  
                   115                                  120                                  125  
 Pro Lys Ser Tyr Ser Ile Ser Tyr Ala Pro Tyr Gln Ile Asn Pro Pro  
                   130                                  135                                  140  
 Leu Pro Asn Gly Leu Pro Asn Gln Ser Ile Ser Leu Asn Lys Glu Tyr  
                   145                                  150                                  155                                  160  
 Ile Ala Glu Glu Gln Leu Ser Thr Leu Pro Ser Arg Asn Thr Ser Val  
                                   165                                  170                                  175  
 Thr Thr Ala Pro Pro Ser Phe Gln Asn Ser Ala Asp Thr Ala Lys Asn  
                                   180                                  185                                  190  
 Ser Ala Asp Asn Asn Asp Asn Asn Asp Asn Val Thr Lys Pro Val Pro  
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 Asp Lys Asp Thr Gln Leu Ile Ser Ser Ser Gly Lys Thr Leu Arg Asn  
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 Thr Arg Arg Ala Ala Gln Asn Arg Thr Ala Gln Lys Ala Phe Arg Gln  
                   225                                  230                                  235                                  240  
 Arg Lys Glu Lys Tyr Ile Lys Asn Leu Glu Gln Lys Ser Lys Ile Phe  
                                   245                                  250                                  255  
 Asp Asp Leu Leu Ala Glu Asn Asn Asn Phe Lys Ser Leu Asn Asp Ser  
                   260                                  265                                  270  
 Leu Arg Asn Asp Asn Asn Ile Leu Ile Ala Gln His Glu Ala Ile Arg  
                   275                                  280                                  285  
 Asn Ala Ile Thr Met Leu Arg Ser Glu Tyr Asp Val Leu Cys Asn Glu  
                   290                                  295                                  300  
 Asn Asn Met Leu Lys Asn Glu Asn Ser Ile Ile Lys Asn Glu His Asn  
                   305                                  310                                  315                                  320

Met Ser Arg Asn Glu Asn Glu Asn Leu Lys Leu Glu Asn Lys Arg Phe  
 325 330 335

His Ala Glu Tyr Ile Arg Met Ile Glu Asp Ile Glu Asn Thr Lys Arg  
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 <211> 2270  
 <212> DNA  
 <213> *Candida albicans*

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2270

&lt;210&gt; 58

&lt;211&gt; 589

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 58

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Ile	Leu	Thr	Ile	Asn	Glu	Leu	Lys	Ile	Ala	Ile	His	Gly	Tyr	Leu	Arg	35	40	45	
Asn	Thr	Pro	Trp	Tyr	Asn	Met	Leu	Lys	Asp	Tyr	Leu	Phe	Val	Ile	Phe	50	55	60	
Cys	Tyr	Lys	Leu	Ile	Ser	Asn	Phe	Phe	Tyr	Leu	Leu	Lys	Val	Tyr	Gly	65	70	75	80
Pro	Val	Arg	Leu	Ala	Val	Arg	Thr	Tyr	Glu	His	Ser	Ser	Arg	Arg	Leu	85	90	95	
Phe	Arg	Trp	Leu	Leu	Asp	Ser	Pro	Phe	Leu	Arg	Gly	Thr	Val	Glu	Lys	100	105	110	
Glu	Val	Thr	Lys	Val	Lys	Gln	Ser	Ile	Glu	Asp	Glu	Leu	Ile	Arg	Ser	115	120	125	
Asp	Ser	Gln	Leu	Met	Asn	Phe	Pro	Gln	Leu	Pro	Ser	Asn	Gly	Ile	Pro	130	135	140	
Gln	Asp	Asp	Val	Ile	Glu	Glu	Leu	Asn	Lys	Leu	Asn	Asp	Leu	Ile	Pro	145	150	155	160
His	Thr	Gln	Trp	Lys	Glu	Gly	Lys	Val	Ser	Gly	Ala	Val	Tyr	His	Gly	165	170	175	
Gly	Asp	Asp	Leu	Ile	His	Leu	Gln	Thr	Ile	Ala	Tyr	Glu	Lys	Tyr	Cys	180	185	190	
Val	Ala	Asn	Gln	Leu	His	Pro	Asp	Val	Phe	Pro	Ala	Val	Arg	Lys	Met	195	200	205	
Glu	Ser	Glu	Val	Val	Ser	Met	Val	Leu	Arg	Met	Phe	Asn	Ala	Pro	Ser	210	215	220	
Asp	Thr	Gly	Cys	Gly	Thr	Thr	Thr	Ser	Gly	Gly	Thr	Glu	Ser	Leu	Leu	225	230	235	240
Leu	Ala	Cys	Leu	Ser	Ala	Lys	Met	Tyr	Ala	Leu	His	His	Arg	Gly	Ile	245	250	255	

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Pro	Thr	Thr	Tyr	Gln	Val	Asp	Leu	Gly	Lys	Val	Lys	Lys	Phe	Ile	Asn	290	295	300
Lys	Asn	Thr	Ile	Leu	Leu	Val	Gly	Ser	Ala	Pro	Asn	Phe	Pro	His	Gly	305	310	320
Ile	Ala	Asp	Asp	Ile	Glu	Gly	Leu	Gly	Lys	Ile	Ala	Gln	Lys	Tyr	Lys	325	330	335
Leu	Pro	Leu	His	Val	Asp	Ser	Cys	Leu	Gly	Ser	Phe	Ile	Val	Ser	Phe	340	345	350
Met	Glu	Lys	Ala	Gly	Tyr	Lys	Asn	Leu	Pro	Leu	Leu	Asp	Phe	Arg	Val	355	360	365
Pro	Gly	Val	Thr	Ser	Ile	Ser	Cys	Asp	Thr	His	Lys	Tyr	Gly	Phe	Ala	370	375	380
Pro	Lys	Gly	Ser	Ser	Val	Ile	Met	Tyr	Arg	Asn	Ser	Asp	Leu	Arg	Met	385	390	400
His	Gln	Tyr	Tyr	Val	Asn	Pro	Ala	Trp	Thr	Gly	Gly	Leu	Tyr	Gly	Ser	405	410	415
Pro	Thr	Leu	Ala	Gly	Ser	Arg	Pro	Gly	Ala	Ile	Val	Val	Gly	Cys	Trp	420	425	430
Ala	Thr	Met	Val	Asn	Met	Gly	Glu	Asn	Gly	Tyr	Ile	Glu	Ser	Cys	Gln	435	440	445
Glu	Ile	Val	Gly	Ala	Ala	Met	Lys	Phe	Lys	Lys	Tyr	Ile	Gln	Glu	Asn	450	455	460
Ile	Pro	Asp	Leu	Asn	Ile	Met	Gly	Asn	Pro	Arg	Tyr	Ser	Val	Ile	Ser	465	470	475
Phe	Ser	Ser	Lys	Thr	Leu	Asn	Ile	His	Glu	Leu	Ser	Asp	Arg	Leu	Ser	485	490	495
Lys	Lys	Gly	Trp	His	Phe	Asn	Ala	Leu	Gln	Lys	Pro	Val	Ala	Leu	His	500	505	510
Met	Ala	Phe	Thr	Arg	Leu	Ser	Ala	His	Val	Val	Asp	Glu	Ile	Cys	Asp	515	520	525
Ile	Leu	Arg	Thr	Thr	Val	Gln	Glu	Leu	Lys	Ser	Glu	Ser	Asn	Ser	Lys	530	535	540
Pro	Ser	Pro	Asp	Gly	Thr	Ser	Ala	Leu	Tyr	Gly	Val	Ala	Gly	Ser	Val	545	550	555

Lys Thr Ala Gly Val Ala Asp Lys Leu Ile Val Gly Phe Leu Asp Ala  
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Leu Tyr Lys Leu Gly Pro Gly Glu Asp Thr Ala Thr Lys  
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<210> 59

<211> 3470

<212> DNA

<213> Candida albicans

<400> 59

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<210> 60

<211> 989

<212> PRT

<213> Candida albicans

<400> 60

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Met Leu Arg Phe Gln Arg Phe Ala Ser Ser Tyr Ala Gln Ala Gln Ala
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```

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Val Arg Lys Tyr Pro Val Gly Gly Ile Phe His Gly Tyr Glu Val Arg
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```

```

Arg Ile Leu Pro Val Pro Glu Leu Arg Leu Thr Ala Val Asp Leu Val
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```

```

His Ser Gln Thr Gly Ala Glu His Leu His Ile Asp Arg Asp Asp Lys
    50              55              60

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```

Asn Asn Val Phe Ser Ile Ala Phe Lys Thr Asn Pro Pro Asp Ser Thr
    65              70              75              80

```

```

Gly Val Pro His Ile Leu Glu His Thr Thr Leu Cys Gly Ser Val Lys
      85              90              95

```

```

Tyr Pro Val Arg Asp Pro Phe Phe Lys Met Leu Asn Lys Ser Leu Ala
    100              105              110

```

```

Asn Phe Met Asn Ala Met Thr Gly Pro Asp Tyr Thr Phe Phe Pro Phe
    115              120              125

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```

Ser Thr Thr Asn Pro Gln Asp Phe Ala Asn Leu Arg Gly Val Tyr Leu
    130              135              140

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Asp Ser Thr Leu Asn Pro Leu Leu Lys Gln Glu Asp Phe Asp Gln Glu
    145              150              155              160

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Gly Trp Arg Leu Glu His Lys Asn Ile Thr Asp Pro Glu Ser Asn Ile
    165              170              175

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Val Phe Lys Gly Val Val Tyr Asn Glu Met Lys Gly Gln Ile Ser Asn

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210						215						220					
Gly	Asp	Leu	Leu	Asp	Phe	His	His	Lys	Asn	Tyr	His	Pro	Ser	Asn	Ala		
225						230						235					
Lys	Thr	Phe	Thr	Tyr	Gly	Asn	Leu	Pro	Leu	Val	Asp	Thr	Leu	Lys	Gln		
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Leu	Asn	Glu	Gln	Phe	Ser	Gly	Tyr	Gly	Lys	Arg	Ala	Arg	Lys	Asp	Lys		
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Ser	Gly	Val	Glu	Pro	Thr	Thr	Ala	Val	Asn	Leu	Leu	Thr	Val	Gly	Ile		
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Gln	Gly	Val	Ser	Asp	Ile	Glu	Ile	Phe	Lys	Asp	Thr	Val	Asn	Asn	Ile		
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Phe	Gln	Asn	Leu	Leu	Glu	Thr	Glu	His	Pro	Phe	Asp	Arg	Lys	Arg	Ile		
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Asp	Ala	Ile	Ile	Glu	Gln	Leu	Glu	Leu	Ser	Lys	Lys	Asp	Gln	Lys	Ala		
405						410						415					
Asp	Phe	Gly	Leu	Gln	Leu	Leu	Tyr	Ser	Ile	Leu	Pro	Gly	Trp	Thr	Asn		
420						425						430					
Lys	Ile	Asp	Pro	Phe	Glu	Ser	Leu	Leu	Phe	Glu	Asp	Val	Leu	Gln	Arg		
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Phe	Arg	Gly	Asp	Leu	Glu	Thr	Lys	Gly	Asp	Thr	Leu	Phe	Gln	Asp	Leu		
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Ile	Arg	Lys	Tyr	Ile	Val	His	Lys	Pro	Cys	Phe	Thr	Phe	Ser	Ile	Gln		
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Gly	Ser	Glu	Glu	Phe	Ser	Lys	Ser	Leu	Asp	Asp	Glu	Glu	Gln	Thr	Arg		

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Leu	Arg	Glu	Lys	Ile	Thr	Ala	Leu	Asp	Glu	Gln	Asp	Lys	Lys	Asn	Ile
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Leu	Ser	Cys	Leu	Pro	Thr	Leu	Gln	Ile	Lys	Asp	Ile	Pro	Arg	Ala	Gly
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Asp	Thr	Asn	Gly	Ile	Thr	Tyr	Val	Arg	Gly	Lys	Arg	Leu	Leu	Asn	Asp
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Gln	Ile	Lys	Leu	His	Thr	Gly	Gly	Ile	Ser	Thr	His	Val	Glu	Val	Thr
	610					615					620				
Ser	Asp	Pro	Asn	Thr	Thr	Glu	Pro	Arg	Leu	Ile	Phe	Gly	Phe	Asp	Gly
625						630					635				640
Trp	Ser	Leu	Asn	Ser	Lys	Thr	Asp	His	Ile	Phe	Glu	Phe	Trp	Ser	Lys
			645						650					655	
Ile	Leu	Leu	Glu	Thr	Asp	Phe	His	Lys	Asn	Ser	Asp	Lys	Leu	Lys	Val
			660					665					670		
Leu	Ile	Arg	Leu	Leu	Ala	Ser	Ser	Asn	Thr	Ser	Ser	Val	Ala	Asp	Ala
		675					680					685			
Gly	His	Ala	Phe	Ala	Arg	Gly	Tyr	Ser	Ala	Ala	His	Tyr	Arg	Ser	Ser
	690					695					700				
Gly	Ala	Ile	Asn	Glu	Thr	Leu	Asn	Gly	Ile	Glu	Gln	Leu	Gln	Phe	Ile
705						710					715				720
Asn	Arg	Leu	His	Ser	Leu	Leu	Asp	Asn	Glu	Glu	Thr	Phe	Gln	Arg	Glu
			725					730						735	
Val	Val	Asp	Lys	Leu	Thr	Glu	Leu	Gln	Lys	Tyr	Ile	Val	Asp	Thr	Asn
			740					745					750		
Asn	Met	Asn	Phe	Phe	Ile	Thr	Ser	Asp	Ser	Asp	Val	Gln	Ala	Lys	Thr
		755					760					765			
Val	Glu	Ser	Gln	Ile	Ser	Lys	Phe	Met	Glu	Arg	Leu	Pro	His	Gly	Ser
	770					775					780				
Cys	Leu	Pro	Asn	Gly	Pro	Lys	Thr	Ser	Asp	Tyr	Pro	Leu	Ile	Gly	Ser

785	790					795					800				
Lys Cys Lys His Thr Leu Ile Lys Phe Pro Phe Gln Val His Tyr Thr	805					810					815				
Ser Gln Ala Leu Leu Gly Val Pro Tyr Thr His Lys Asp Gly Ser Ala	820					825					830				
Leu Gln Val Met Ser Asn Met Leu Thr Phe Lys His Leu His Arg Glu	835					840					845				
Val Arg Glu Lys Gly Gly Ala Tyr Gly Gly Gly Ala Ser Tyr Ser Ala	850					855					860				
Leu Ala Gly Ile Phe Ser Phe Tyr Ser Tyr Arg Asp Pro Gln Pro Leu	865					870					875				
Lys Ser Leu Glu Thr Phe Lys Asn Ser Gly Arg Tyr Ile Leu Asn Asp	885					890					895				
Ala Lys Trp Gly Val Thr Asp Leu Asp Glu Ala Lys Leu Thr Ile Phe	900					905					910				
Gln Gln Val Asp Ala Pro Lys Ser Pro Lys Gly Glu Gly Val Thr Tyr	915					920					925				
Phe Met Ser Gly Val Thr Asp Asp Met Lys Gln Ala Arg Arg Glu Gln	930					935					940				
Leu Leu Asp Val Ser Leu Leu Asp Val His Arg Val Ala Glu Lys Tyr	945					950					955				
Leu Leu Asn Lys Glu Gly Val Ser Thr Val Ile Gly Pro Gly Ile Glu	965					970					975				
Gly Lys Thr Val Ser Pro Asn Trp Glu Val Lys Glu Leu	980					985									

&lt;210&gt; 61

&lt;211&gt; 1612

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 61

```

cttttctcag cacctgtcca gagacataac atcacaatca catcgcccca gtaaattgcat 60
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ctctaatagt tactctatta ttgctgttaa ttgacaatgt ttagtcacgt gcaacacaaat 180
tcaagtcacg tggaaaggcc ttcacatggt gatccatctt ctacatcttc atcgggtcctg 240
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ataaaaagta agcaggagaa tgaatcgtgt tggatatagac gtagatcata tgataggggt 540
cctgcttctg gccgtagtgg tgggtgtttt ggttggcgct tcgtgtttga ctaatgaatt 600
gctcgagaca aacgcgtaca ataaaccttt cttccttact tatctaataa tatcatcggt 660

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```

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```

&lt;210&gt; 62

&lt;211&gt; 370

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 62

```

Met Asn Arg Val Gly Ile Asp Val Asp His Met Ile Gly Val Leu Leu
 1              5              10              15

Leu Ala Val Val Val Val Phe Trp Val Gly Ala Ser Cys Leu Thr Asn
      20              25              30

Glu Leu Leu Glu Thr Asn Ala Tyr Asn Lys Pro Phe Phe Leu Thr Tyr
 35              40              45

Leu Asn Ile Ser Ser Phe Ala Leu Tyr Leu Thr Pro Asp Leu Trp Arg
 50              55              60

Ile Ile Gln Ser Arg Arg Lys Ser Leu Gln Glu Arg Thr Glu Arg Thr
 65              70              75              80

Leu Pro Ile His Thr Gln Glu Ser Phe Ser Glu Phe Leu Pro Leu Leu
      85              90              95

Ser Ser Thr Pro Ser Thr Ser Ser Asn Leu Ser Ser Ile Ala Asp Thr
 100              105              110

Lys Val Lys Asp Thr Met Arg Leu Ser Leu Leu Phe Cys Val Leu Trp
 115              120              125

Phe Val Ala Asn Leu Ala Ala Asn Ala Ala Leu Ser Tyr Thr Thr Val
 130              135              140

Ala Ser Ser Thr Ile Leu Ser Ser Thr Ser Ser Phe Phe Thr Leu Phe
 145              150              155              160

Leu Ala Thr Ser Leu Gly Ile Glu Thr Phe Ser Thr Lys Lys Leu Leu
 165              170              175

```



Gly Leu Phe Val Ser Leu Phe Gly Ile Ile Leu Ile Val Met Gln Ser  
                   180                                  185                                  190  
 Ser Lys Gln Gln Asp Ser Val Ser Ala Ser Ser Phe Leu Val Gly Asn  
                   195                                  200                                  205  
 Thr Leu Ala Leu Leu Gly Ser Leu Gly Tyr Ser Val Tyr Thr Thr Leu  
                   210                                  215                                  220  
 Leu Lys Tyr Glu Ile Ser Ser Lys Gly Leu Arg Leu Asp Ile Gln Met  
                   225                                  230                                  235                                  240  
 Phe Leu Gly Tyr Val Gly Ile Phe Thr Phe Leu Leu Phe Trp Pro Ile  
                                   245                                  250                                  255  
 Leu Ile Ile Leu Asp Ile Thr His Met Glu Thr Phe Glu Leu Pro Ser  
                                   260                                  265                                  270  
 Asn Phe His Ile Ser Phe Leu Val Met Leu Asn Cys Ile Ile Ile Phe  
                   275                                  280                                  285  
 Val Ser Asp Tyr Phe Trp Cys Lys Ala Leu Ile Leu Thr Ser Pro Leu  
                   290                                  295                                  300  
 Val Val Thr Val Ala Leu Thr Phe Thr Ile Pro Leu Ala Met Phe Ala  
                   305                                  310                                  315                                  320  
 Asp Phe Val Trp Arg Glu Ala Phe Phe Thr Pro Trp Tyr Ile Ile Gly  
                                   325                                  330                                  335  
 Val Ile Phe Ile Phe Val Ser Phe Phe Leu Val Asn His Arg Gly Glu  
                                   340                                  345                                  350  
 Ser Ala Val Glu Lys Asp Cys Ala Ala Val Glu Lys Gly Pro Ile Leu  
                   355                                  360                                  365  
 Asp Ala  
                   370

<210> 63  
 <211> 1376  
 <212> DNA  
 <213> Candida albicans

<400> 63  
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 ggccattata tccaaaactt ttttaaaata gcatccacat cacttactgg cgtacagttt 120  
 cgtgtctggc aacaaaaaag tacatttaat ttcaatgatt aaaaagacat taaacatccg 180  
 tacattacgc acccatgcat gctatctgaa aatattctac atgctgcttt tagaaatttg 240  
 aagcggcata tgggtgttcc ttgcggagac gcgcgctcag gggaactgcg attccgaaag 300  
 atgcctttcc cagtcccata tgcccatccc aagatcatgc ccgggagagc aaatgtcgcc 360  
 ccagccaggt cggacacatc tgtcattcga ccactaagta ttgtcaaagc taggggttaat 420  
 tgaagatagc tctacatggt attagtagag tttttaaacg ttgagatact agtgaacgta 480  
 tacacaagag cggataaaaag atgtcttttag ttgtccaaga acaagggtcc ttccaacaca 540  
 ttttacggta tggtttattat tactagttag ctatgacaaa atcggctaaa aacttaaaaa 600

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acgtgattaa atataataat gatgttcccg ggctggacta agaacgtaat aataaggctg 720
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attacggaac attgcaatag cggtcggagg taaagtaccg ggaatgcttt acaatgaatc 840
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cttgcccggtg aaatccatta tgcacatttt ttactaacgt ttatcaataa gttcggtttc 960
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gggggtttgcg tgttagaggt caacacacca agaccactgg tagaagaaga gcttaa 1376

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&lt;210&gt; 64

&lt;211&gt; 146

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 64

```

Met Ser Leu Val Val Gln Glu Gln Gly Ser Phe Gln His Ile Leu Arg
  1              5              10              15

```

```

Leu Leu Asn Thr Asn Val Asp Gly Asn Ile Lys Ile Val Tyr Ala Leu
          20              25              30

```

```

Thr Thr Ile Lys Gly Val Gly Arg Arg Tyr Ser Asn Leu Val Cys Lys
      35              40              45

```

```

Lys Ala Asp Val Asp Leu His Lys Arg Ala Gly Glu Leu Thr Gln Glu
      50              55              60

```

```

Glu Leu Glu Arg Ile Val Gln Ile Met Gln Asn Pro Thr His Tyr Lys
      65              70              75              80

```

```

Ile Pro Ala Trp Phe Leu Asn Arg Gln Asn Asp Ile Thr Asp Gly Lys
          85              90              95

```

```

Asp Tyr His Thr Leu Ala Asn Asn Val Glu Ser Lys Leu Arg Asp Asp
      100              105              110

```

```

Leu Glu Arg Leu Lys Lys Ile Arg Ala His Arg Gly Ile Arg His Phe
      115              120              125

```

```

Trp Gly Leu Arg Val Arg Gly Gln His Thr Lys Thr Thr Gly Arg Arg
      130              135              140

```

Arg Ala

145

&lt;210&gt; 65

&lt;211&gt; 1289

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 65

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actgcataca caataactgt agatgtagcc caaggcacta ccacaggtat ttctgctcac 60
gacaggtcga tgacttgtag ggctcttgca gactcttcct ctacgccaaa atcattttta 120
aaaccagggc acatctgtcc cttgagagcc gctgatggcg gtgttttgca gagaagaggc 180
cacactgagg ccggtgtcga tttgtgtaaa ctaagtggac taagtcccg t cgtgttatt 240
ggcgaattgg ttaacgatga cgaacaagga actatgatga gattaaatga ctgccaaagcg 300
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atgtatatat ttgtaacttt gtatatatct tttgtttttt gacctttttc ttctctatg 480
tttttcagcc atacaaaaat atgggatttt tagcaagaga aaaagtacat ctaaaaaaag 540
tagtaaatagg aggaagccaa gattggttga aacacagtta taaactcttc aaggcaatta 600
tgaacaggat tttcggatat gggaacaaaa agagccatga tcagctctta caagagtcga 660
atcagtccat gaatcaggcc caacaatcac tatcgaacag aatatcccag ttagatactc 720
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aaaataaagc tttagaaagc gctcagtga 1289

```

&lt;210&gt; 66

&lt;211&gt; 262

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 66

```

Met Gly Phe Leu Ala Arg Glu Lys Val His Leu Lys Lys Val Val Ile
  1             5             10             15

Gly Gly Ser Gln Asp Trp Leu Lys His Ser Tyr Lys Leu Phe Lys Ala
      20             25             30

Ile Met Asn Arg Ile Phe Gly Tyr Gly Asn Lys Lys Ser His Asp Gln
      35             40             45

Leu Leu Gln Glu Ser Asn Gln Ser Met Asn Gln Ala Gln Gln Ser Leu
      50             55             60

Ser Asn Arg Ile Ser Gln Leu Asp Thr Gln Ile Ala Gln Leu Asn Phe
      65             70             75             80

Gln Leu Gln Asn Ile Gln Lys Asn Leu Gln Arg Ser Asn Asn Lys Gln
      85             90             95

Pro Ser Leu Arg Lys Gln Ala Leu Lys Ile Leu Asn Lys Arg Lys Gln
      100            105            110

Leu Glu Asn Met Lys Asp Ser Leu Asp Ser Gln Ser Trp Ser Met Thr
      115            120            125

Gln Ala Gln Leu Thr Asn Asp Asn Leu Gln Asn Thr Met Ile Thr Ile

```

130	135	140
Asn Ala Leu Lys Gln Thr Asn Asn Ala Met Lys Ala Gln Tyr Gly Lys		
145	150	155 160
Ile Asn Ile Asp Lys Leu Gln Asp Met Gln Asp Glu Met Leu Asp Leu		
	165 170	175
Ile Glu Gln Gly Asp Glu Leu Gln Glu Val Leu Ala Met Asn Asn Asn		
	180 185	190
Ser Gly Glu Leu Asp Asp Ile Ser Asp Ala Glu Leu Asp Ala Glu Leu		
	195 200	205
Asp Ala Leu Ala Gln Glu Asp Phe Thr Leu Pro Thr Ser Glu Asn Ser		
	210 215	220
Leu Gly Asn Asp Met Pro Ser Tyr Leu Leu Gly Ala Asn Ala Pro Pro		
	225 230	235 240
Ala Phe Ile Asp Glu Glu Pro Asn Leu Asp Thr Glu Asp Lys Asn Lys		
	245 250	255
Ala Leu Glu Ser Ala Gln		
	260	

&lt;210&gt; 67

&lt;211&gt; 1295

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 67

```

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accctttttt tgggtgaaga gaagtagtat tttgtttttc atgggagtgg aagtcctttc 240
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<210> 68  
 <211> 136  
 <212> PRT  
 <213> Candida albicans

<400> 68  
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                   20                  25                  30  
 Ser Lys Ser His Pro Phe Gly His Ala Leu Val Ala Gly Ile Glu Arg  
           35                  40                  45  
 Tyr Pro Ser Lys Val Thr Lys Lys His Gly Ala Lys Lys Val Ala Lys  
           50                  55                  60  
 Arg Thr Lys Ile Lys Pro Phe Ile Lys Val Val Asn Tyr Asn His Leu  
           65                  70                  75                  80  
 Leu Pro Thr Arg Tyr Thr Leu Asp Val Glu Ala Phe Lys Ser Val Val  
                   85                  90                  95  
 Ser Thr Glu Thr Phe Glu Gln Pro Ser Gln Arg Glu Glu Ala Lys Lys  
                   100                  105                  110  
 Val Val Lys Lys Ala Phe Glu Glu Arg His Gln Ala Gly Lys Asn Gln  
           115                  120                  125  
 Trp Phe Phe Ser Lys Leu Arg Phe  
       130                  135

<210> 69  
 <211> 2744  
 <212> DNA  
 <213> Candida albicans

<400> 69  
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&lt;210&gt; 70

&lt;211&gt; 747

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 70

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Met Arg Arg Glu Thr Val Gly Glu Phe Ser Ser Asp Asp Asp Asp Asp
 1             5             10             15

Ile Leu Leu Glu Leu Gly Thr Arg Pro Pro Arg Phe Thr Gln Ile Pro
      20             25             30

Pro Ser Ser Ala Ala Leu Gln Thr Gln Ile Pro Thr Thr Leu Glu Val
      35             40             45

Thr Thr Thr Thr Leu Asn Asn Lys Gln Ser Lys Asn Asp Asn Gln Leu
      50             55             60

Val Asn Gln Leu Asn Lys Ala Gln Gly Glu Ala Ser Met Leu Arg Asp
      65             70             75             80

Lys Ile Asn Phe Leu Asn Ile Glu Arg Glu Lys Glu Lys Asn Ile Gln
      85             90             95

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Ala Val Lys Val Asn Glu Leu Gln Val Lys His Leu Gln Glu Leu Ala  
 100 105 110  
 Lys Leu Lys Gln Glu Leu Gln Lys Leu Glu Asp Glu Lys Lys Phe Leu  
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 Gln Met Glu Ala Arg Gly Lys Ser Lys Arg Glu Val Ile Thr Asn Val  
 130 135 140  
 Lys Pro Pro Ser Thr Thr Leu Ser Thr Asn Thr Asn Thr Ile Thr Pro  
 145 150 155 160  
 Asp Ser Ser Ser Val Ala Ile Glu Ala Lys Pro Gln Ser Pro Gln Ser  
 165 170 175  
 Lys Lys Arg Lys Ile Ser Asp Asn Leu Leu Lys Lys Asn Met Val Pro  
 180 185 190  
 Leu Asn Pro Asn Arg Ile Ile Pro Asp Glu Thr Ser Leu Phe Leu Glu  
 195 200 205  
 Ser Ile Leu Leu His Gln Ile Ile Gly Ala Asp Leu Ser Thr Ile Glu  
 210 215 220  
 Ile Leu Asn Arg Leu Lys Leu Asp Tyr Ile Thr Glu Phe Lys Phe Lys  
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 Asn Phe Val Ile Ala Lys Gly Ala Pro Ile Gly Lys Ser Ile Val Ser  
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 Leu Leu Leu Arg Cys Lys Lys Thr Leu Thr Leu Asp Arg Phe Ile Asp  
 260 265 270  
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 Pro Asn Glu Ser Lys Leu Ala Val Pro Phe Leu Val Ala Leu Met Tyr  
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 Gln Ile Val Gln Phe Arg Pro Ser Ala Thr His Asn Leu Ala Leu Lys  
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 Asp Cys Phe Leu Phe Ile Cys Asp Leu Ile Arg Ile Tyr His His Val  
 325 330 335  
 Leu Lys Val Pro Ile His Glu Ser Asn Met Asn Leu His Val Glu Pro  
 340 345 350  
 Gln Ile Phe Gln Tyr Glu Leu Ile Asp Tyr Leu Ile Ile Ser Tyr Ser  
 355 360 365  
 Phe Asp Leu Leu Glu Gly Ile Leu Arg Val Leu Gln Ser His Pro Lys  
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 Gln Thr Tyr Met Glu Phe Phe Asp Glu Asn Ile Leu Lys Ser Phe Glu  
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Phe	Val	Tyr	Lys	Leu	Ala	Leu	Thr	Ile	Ser	Tyr	Lys	Pro	Met	Val	Asn	405	410	415
Val	Ile	Phe	Ser	Ala	Val	Glu	Val	Val	Asn	Ile	Ile	Thr	Ser	Ile	Ile	420	425	430
Leu	Asn	Met	Asp	Asn	Ser	Ser	Asp	Leu	Lys	Ser	Leu	Ile	Ser	Gly	Ser	435	440	445
Trp	Trp	Arg	Asp	Cys	Ile	Thr	Arg	Leu	Tyr	Ala	Leu	Leu	Glu	Lys	Glu	450	455	460
Ile	Lys	Ser	Gly	Asp	Val	Tyr	Asn	Glu	Asn	Val	Asp	Thr	Thr	Thr	Leu	465	470	475
His	Met	Ser	Lys	Tyr	His	Asp	Phe	Phe	Gly	Leu	Ile	Arg	Asn	Ile	Gly	485	490	495
Asp	Asn	Glu	Leu	Gly	Gly	Leu	Ile	Ser	Lys	Leu	Ile	Tyr	Thr	Asp	Arg	500	505	510
Leu	Gln	Ser	Val	Pro	Arg	Val	Ile	Ser	Lys	Glu	Asp	Ile	Gly	Met	Asp	515	520	525
Ser	Asp	Lys	Phe	Thr	Ala	Pro	Ile	Ile	Gly	Tyr	Lys	Met	Glu	Lys	Trp	530	535	540
Leu	Leu	Lys	Leu	Lys	Asp	Glu	Val	Leu	Asn	Ile	Phe	Glu	Asn	Leu	Leu	545	550	555
Met	Ile	Tyr	Gly	Asp	Asp	Ala	Thr	Ile	Val	Asn	Gly	Glu	Met	Leu	Ile	565	570	575
His	Ser	Ser	Lys	Phe	Leu	Ser	Arg	Glu	Gln	Ala	Leu	Met	Ile	Glu	Arg	580	585	590
Tyr	Val	Gly	Gln	Asp	Ser	Pro	Asn	Leu	Asp	Leu	Arg	Cys	His	Leu	Ile	595	600	605
Glu	His	Thr	Leu	Thr	Ile	Ile	Tyr	Arg	Leu	Trp	Lys	Asp	His	Phe	Lys	610	615	620
Gln	Leu	Arg	Glu	Glu	Gln	Ile	Lys	Gln	Val	Glu	Ser	Gln	Leu	Ile	Met	625	630	635
Ser	Leu	Trp	Arg	Phe	Leu	Val	Cys	Gln	Thr	Glu	Thr	Val	Thr	Ala	Asn	645	650	655
Glu	Arg	Glu	Met	Arg	Asp	His	Arg	His	Leu	Val	Asp	Ser	Leu	His	Asp	660	665	670
Leu	Thr	Ile	Lys	Asp	Gln	Ala	Ser	Tyr	Tyr	Glu	Asp	Ala	Phe	Glu	Asp	675	680	685
Leu	Pro	Glu	Tyr	Ile	Glu	Glu	Glu	Leu	Lys	Met	Gln	Leu	Asn	Lys	Arg	690	695	700



Thr Gly Arg Ile Met Gln Val Lys Tyr Asp Glu Lys Phe Gln Glu Met  
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Ala Arg Thr Ile Leu Glu Ser Lys Ser Phe Asp Leu Thr Thr Leu Glu  
725 730 735

Glu Ala Asp Ser Leu Tyr Ile Ser Met Gly Leu  
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<211> 3929  
<212> DNA  
<213> Candida albicans

<400> 71  
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catttgtttt gcgccaagtt tcgtctgaca agaatttttt attattattt ccactttttc 180  
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&lt;210&gt; 72

&lt;211&gt; 1142

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 72

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Met Ala Ile Asn Gly Asn Ser Ile Pro Ala Ile Lys Asp Asn Thr Ile
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Gly Pro Trp Lys Leu Gly Glu Thr Leu Gly Leu Gly Ser Thr Gly Lys
      20             25            30

Val Gln Leu Ala Arg Asn Gly Ser Thr Gly Gln Glu Ala Ala Val Lys
      35             40            45

Val Ile Ser Lys Ala Val Phe Asn Thr Gly Asn Val Ser Gly Thr Ser
      50             55            60

Ile Val Gly Ser Thr Thr Pro Asp Ala Leu Pro Tyr Gly Ile Glu Arg
      65             70            75            80

Glu Ile Ile Ile Met Lys Leu Leu Asn His Pro Asn Val Leu Arg Leu
      85             90            95

Tyr Asp Val Trp Glu Thr Asn Thr Asp Leu Tyr Leu Val Leu Glu Tyr
      100            105           110

Ala Glu Lys Gly Glu Leu Phe Asn Leu Leu Val Glu Arg Gly Pro Leu
      115            120           125

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Pro Glu His Glu Ala Ile Arg Phe Phe Arg Gln Ile Ile Ile Gly Val  
 130 135 140  
 Ser Tyr Cys His Ala Leu Gly Ile Val His Arg Asp Leu Lys Pro Glu  
 145 150 155 160  
 Asn Leu Leu Leu Asp His Lys Tyr Asn Ile Lys Ile Ala Asp Phe Gly  
 165 170 175  
 Met Ala Ala Leu Glu Thr Glu Gly Lys Leu Leu Glu Thr Ser Cys Gly  
 180 185 190  
 Ser Pro His Tyr Ala Ala Pro Glu Ile Val Ser Gly Ile Pro Tyr Gln  
 195 200 205  
 Gly Phe Ala Ser Asp Val Trp Ser Cys Gly Val Ile Leu Phe Ala Leu  
 210 215 220  
 Leu Thr Gly Arg Leu Pro Phe Asp Glu Glu Asp Gly Asn Ile Arg Thr  
 225 230 235 240  
 Leu Leu Leu Lys Val Gln Lys Gly Glu Phe Glu Met Pro Ser Asp Asp  
 245 250 255  
 Glu Ile Ser Arg Glu Ala Gln Asp Leu Ile Arg Lys Ile Leu Thr Val  
 260 265 270  
 Asp Pro Glu Arg Arg Ile Lys Thr Arg Asp Ile Leu Lys His Pro Leu  
 275 280 285  
 Leu Gln Lys Tyr Pro Ser Ile Arg Asp Ser Lys Ser Ile Arg Gly Leu  
 290 295 300  
 Pro Arg Glu Asp Thr Tyr Leu Thr Pro Leu Ser Glu Ser Asn Ser Ser  
 305 310 315 320  
 Ile Asp Ala Thr Ile Leu Gln Asn Leu Val Ile Leu Trp His Gly Arg  
 325 330 335  
 Asp Pro Glu Gly Ile Lys Glu Lys Leu Arg Glu Pro Gly Ala Asn Ala  
 340 345 350  
 Glu Lys Thr Leu Tyr Ala Leu Leu Tyr Arg Phe Lys Cys Asp Thr Gln  
 355 360 365  
 Lys Glu Leu Ile Lys Gln Gln Gln Val Lys Lys Arg Gln Ser Ile Ser  
 370 375 380  
 Ser Val Ser Val Ser Pro Ser Lys Lys Val Ser Thr Thr Pro Gln Arg  
 385 390 395 400  
 Arg Arg Asn Arg Glu Ser Leu Ile Ser Val Thr Ser Ser Arg Lys Lys  
 405 410 415  
 Pro Ile Ser Phe Asn Lys Phe Thr Ala Ser Ser Ala Ser Ser Ser Asn  
 420 425 430

Leu Thr Thr Pro Gly Ser Ser Lys Arg Leu Ser Lys Asn Phe Ser Ser  
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 Lys Lys Lys Leu Ser Thr Ile Val Asn Gln Ser Ser Pro Thr Pro Ala  
 450 455 460  
 Ser Arg Asn Lys Arg Ala Ser Val Ile Asn Val Glu Lys Asn Gln Lys  
 465 470 475 480  
 Arg Ala Ser Ile Phe Ser Thr Thr Lys Lys Asn Lys Arg Ser Ser Arg  
 485 490 495  
 Ser Ile Lys Arg Met Ser Leu Ile Pro Ser Met Lys Arg Glu Ser Val  
 500 505 510  
 Thr Thr Lys Leu Met Ser Thr Tyr Ala Lys Leu Ala Glu Asp Asp Asp  
 515 520 525  
 Trp Glu Tyr Ile Glu Lys Glu Thr Lys Arg Thr Ser Ser Asn Phe Ala  
 530 535 540  
 Thr Leu Ile Asp Glu Ile Phe Glu Tyr Glu Lys Tyr Glu Gln Ile Arg  
 545 550 555 560  
 Lys Glu Lys Glu Glu Leu Glu Arg Lys Val Arg Glu Ala Lys Ala Arg  
 565 570 575  
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 580 585 590  
 Arg Lys Leu Leu Glu Lys Glu Asp Leu Lys Arg Lys Gln Glu Glu Leu  
 595 600 605  
 Lys Lys Gln Ile Glu Ile Asp Ile Ser Asp Leu Glu Gln Glu Leu Ser  
 610 615 620  
 Lys His Lys Glu Glu Lys Leu Asp Gly Asn Ile Arg Ser Ile Ser Ala  
 625 630 635 640  
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 660 665 670  
 Ser Arg Leu Asp Pro Gly Ile Met Phe Ser Ser Pro Thr Glu Glu Val  
 675 680 685  
 Ser Pro Val Glu Pro Lys Arg Thr Glu Asn Glu Arg Leu Thr Thr Glu  
 690 695 700  
 Lys Lys Ile Leu Glu Thr Ile Arg Arg Ser Lys Phe Leu Gly Ser Ser  
 705 710 715 720  
 Phe Asn Ile Asp Lys Glu Leu Lys Leu Ser Lys Met Glu Tyr Pro Ser  
 725 730 735

Ile Ile Ala Pro Gln Arg Leu Ser Glu Glu Arg Val Val Ser Asp Ser  
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 Asn Asp Gly Tyr Glu Ser Leu Ile Leu Pro Lys Asp Gly Asn Gly Val  
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 Ser Gln Leu Lys Asp Ser Thr Ala Thr Thr Ala Pro Val Ser Asp Gly  
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 Arg Leu Arg Lys Ile Ser Glu Ile Arg Val Pro Gln Phe Thr Arg Lys  
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 Ser Arg His Phe Ser Glu Ser Asn Lys Arg Leu Ser Val Leu Ser Met  
                     805                    810                    815  
 Tyr Ser Thr Lys Glu Ser Phe Thr Asn Leu Val Asp Ile Leu Lys Asn  
                     820                    825                    830  
 Gly Asn Leu Asp Val Asn Asn Gln Gln Ser Gln Arg Ile Pro Thr Pro  
                     835                    840                    845  
 Arg Ser Ala Asp Asp Ser Glu Phe Leu Phe Glu Thr Val Asn Glu Glu  
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 Ala Glu Tyr Thr Gly Asn Ser Ser Asn Asp Glu Arg Leu Tyr Asp Val  
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 Gly Asp Ser Thr Ile Lys Asp Lys Ser Ala Leu Lys Leu Asn Phe Ala  
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 Asp Arg Phe Asn Gly Ser Asn Glu Ala Lys Gln Thr Asp Asn Leu His  
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 Leu Pro Ile Leu Pro Pro Leu Asn Gly Asp Asn Glu Leu Arg Lys Gln  
                     915                    920                    925  
 Asn Ser Gln Glu Gly Asp Gln Ala His Pro Lys Ile Lys Ser Met Ile  
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 Pro Glu Ser Gly Ser Ser Ser His Thr Glu Lys Glu Glu Glu Asn Glu  
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 Glu Lys Glu Glu Lys Lys Pro Glu Gln His Lys Gln Glu Glu Asp Gln  
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 Glu Lys Arg Glu Lys Val Val Asp Asp Met Glu Pro Pro Leu Asn Lys  
                     980                    985                    990  
 Ser Val Gln Lys Ile Arg Glu Lys Asn Ala Gly Ser Gln Ala Lys Asp  
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 His Ser Lys Asp His Leu Lys Glu His Lys Gln Asp Lys Asn Thr Ala  
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 Ile Gly Asn Gly Ser Phe Phe Arg Lys Phe Ser Lys Ser Ser Asp Lys  
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Thr Met Glu Leu Tyr Ala Lys Ile Ser Ala Lys Gln Leu Phe Asn Gly  
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Leu Glu Lys Leu Leu Arg Gly Trp Thr Gln Tyr Gly Leu Lys Asn Ile  
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Lys Ser His Pro Asn Asn Leu Thr Leu Thr Gly Lys Leu Ser Ser Asp  
 1075 1080 1085

Asn Ile Phe Ser Leu Arg Ser Thr Leu Phe Glu Val Asn Ile Tyr Pro  
 1090 1095 1100

Arg Gly Lys Met Ser Val Val Gln Phe Lys Lys Val Ser Gly Ser Phe  
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 1125 1130 1135

Glu Gly Val Leu Gln Lys  
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<210> 73

<211> 1844

<212> DNA

<213> Candida albicans

<400> 73

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<210> 74

<211> 447

<212> PRT

<213> *Candida albicans*

<400> 74

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Ala Glu Asp Lys Lys Lys Gln Thr Ser Ser Leu Lys Leu Ala Pro Ile
      20              25              30

Pro Thr Thr Ser Pro Trp Lys Ser Ser Ser Pro Asp Ser Asn Thr Val
      35              40              45

Ile Pro Val Glu Glu Leu Arg Asp Ile Ser Lys Thr Ala Lys Pro Ser
      50              55              60

Lys Asn Gly Ser Gly Ser Ile Lys Leu Thr Ser Asn Thr Lys Trp Thr
      65              70              75              80

Pro Ile Thr Pro Ser Val Ile Ile Ser Gly Ser Lys Asp Thr Asn Ser
      85              90              95

Lys Ser Gly Lys Asn Ser Lys Asn Ser Lys Thr Asn Lys Lys Met Lys
      100              105              110

Lys Arg Gly Lys Tyr Asn Asn Asp Ile Asn Lys Lys Asp Phe Asn Gly
      115              120              125

Gln Thr Asn Ser Thr Ser Glu Ile Ser Asn Val Ser Asn Leu Glu Ser
      130              135              140

Lys Pro Leu Asp Ala Asn Ala Lys Val Asn Ile His Ser Ser Ser Gly
      145              150              155              160

Ala Thr Ala Asn Gly Asn Ile Lys Arg Ile Thr Asn Asn Asn Asn Ser
      165              170              175

Thr Asn Gly Arg Gln Ser Arg Asn Tyr Gln Asn Arg Asn Gly Lys Thr
      180              185              190

Arg Tyr Asn Asn Asn Ser Arg His Ser Gln Ala Ala Asn Asn Ala Ile
      195              200              205

Ser Phe Pro Asn Asn Tyr Gln Ala Arg Pro Glu Tyr Ile Pro Asn Ala
      210              215              220

Ser His Trp Leu Asn Asn Asn Ser Arg Asn Ser Tyr Lys Gln Leu Ser
      225              230              235              240

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<400> 75							
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aaaggggtacc	cagccattgg	caatggatga	ctattttta	gaaggcagag	ataagtcatc		180
taccgctgcg	aagtcagcag	aatctgacat	cctcgcccca	ccaccacaaa	aacagtcatc		240
ctctgattaa	ctttcctggt	tagtcttttg	gttttgtttc	atagcaaaat	taaatatata		300
tatataagct	tgctttccct	tcaaaacacg	taaacgatag	ttggcaatgt	acgaaaagta		360
ccgagacttt	ttttcaaagg	cacgcgtgtc	cttttttggt	aagacaatag	atatttttagc		420
attcagaagg	tttcaatttc	caagacttga	cgtttcaatt	atatggcaat	ctcccaacaa		480
gcacccgctc	atataatacc	atgcagaagtga	ccacaagatt	tatatctgcy	atagtcctgt		540
tttgctgtt	tgcttctttc	acgttggtcg	aaaacagcgc	aagagctacg	ccgggatcag		600



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atttactcgt tctaacagag aagaaattta aatcattcat cgaatctcat ccgttagtcc 660
tcgtcgagtt ttttgctcca tgggtgtttgc attctcagat cttacgccct cacttagaag 720
aggccgcctc tattttaaag gagcataacg tcccagttgt tcaaattgat tgtgaggcta 780
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&lt;210&gt; 76

&lt;211&gt; 517

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 76

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Met Gln Val Thr Thr Arg Phe Ile Ser Ala Ile Val Ser Phe Cys Leu
  1              5              10             15

Phe Ala Ser Phe Thr Leu Ala Glu Asn Ser Ala Arg Ala Thr Pro Gly
      20              25              30

Ser Asp Leu Leu Val Leu Thr Glu Lys Lys Phe Lys Ser Phe Ile Glu
      35              40              45

Ser His Pro Leu Val Leu Val Glu Phe Phe Ala Pro Trp Cys Leu His
      50              55              60

Ser Gln Ile Leu Arg Pro His Leu Glu Glu Ala Ala Ser Ile Leu Lys
      65              70              75             80

Glu His Asn Val Pro Val Val Gln Ile Asp Cys Glu Ala Asn Ser Met
      85              90              95

Val Cys Leu Gln Gln Thr Ile Asn Thr Tyr Pro Thr Leu Lys Ile Phe
      100             105             110

Lys Asn Gly Arg Ile Phe Asp Gly Gln Val Tyr Arg Gly Val Lys Ile
      115             120             125

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Thr Asp Glu Ile Thr Gln Tyr Met Ile Gln Leu Tyr Glu Ala Ser Val  
 130 135 140  
 Ile Tyr Leu Asn Ser Glu Asp Glu Ile Gln Pro Tyr Leu Glu Asn Ala  
 145 150 155 160  
 Thr Leu Pro Val Val Ile Asn Arg Gly Leu Thr Gly Leu Asn Glu Thr  
 165 170 175  
 Tyr Gln Glu Val Ala Leu Asp Leu Ala Glu Asp Tyr Val Phe Leu Ser  
 180 185 190  
 Leu Leu Asp Ser Glu Asp Lys Ser Leu Ser Ile His Leu Pro Asn Thr  
 195 200 205  
 Thr Glu Pro Ile Leu Phe Asp Gly Asn Val Asp Ser Leu Val Gly Asn  
 210 215 220  
 Ser Val Ala Leu Thr Gln Trp Leu Lys Val Val Ile Leu Pro Tyr Phe  
 225 230 235 240  
 Thr Asp Ile Glu Pro Asp Leu Phe Pro Lys Tyr Ile Ser Ser Asn Leu  
 245 250 255  
 Pro Leu Ala Tyr Phe Phe Tyr Thr Ser Glu Glu Glu Leu Glu Asp Tyr  
 260 265 270  
 Thr Asp Leu Phe Thr Gln Leu Gly Lys Glu Asn Arg Gly Gln Ile Asn  
 275 280 285  
 Phe Ile Ala Leu Asn Ser Thr Met Phe Pro His His Val Arg Phe Leu  
 290 295 300  
 Asn Met Arg Glu Gln Phe Pro Leu Phe Ala Ile His Asn Met Ile Asn  
 305 310 315 320  
 Asn Leu Lys Tyr Gly Leu Pro Gln Leu Pro Glu Glu Glu Tyr Ala Lys  
 325 330 335  
 Leu Glu Lys Pro Gln Pro Leu Asp Arg Asp Met Ile Val Gln Leu Val  
 340 345 350  
 Lys Asp Tyr Arg Glu Gly Thr Ala Lys Pro Ile Val Lys Ser Glu Glu  
 355 360 365  
 Ile Pro Lys Glu Gln Lys Ser Asn Val Tyr Lys Ile Val Gly Lys Thr  
 370 375 380  
 His Asp Asp Ile Val His Asp Asp Asp Lys Asp Val Leu Val Lys Tyr  
 385 390 395 400  
 Tyr Ala Thr Trp Cys Ile His Ser Lys Arg Phe Ala Pro Ile Tyr Glu  
 405 410 415  
 Glu Ile Ala Asn Val Leu Ala Ser Asp Glu Ser Val Arg Asp Lys Ile  
 420 425 430

Leu Ile Ala Glu Val Asp Ser Gly Ala Asn Asp Ile Leu Ser Phe Pro  
           435                                  440                                  445  
 Val Thr Gly Tyr Pro Thr Ile Ala Leu Tyr Pro Ala Gly Asn Asn Ser  
           450                                  455                                  460  
 Lys Pro Ile Ile Phe Asn Lys Ile Arg Asn Leu Glu Asp Val Phe Glu  
 465                                  470                                  475                                  480  
 Phe Ile Lys Glu Ser Gly Thr His His Ile Asp Gly Gln Ala Ile Tyr  
                                   485                                  490                                  495  
 Asp Lys Leu His Gln Ala Lys Asp Ser Glu Val Ser Thr Glu Asp Thr  
                                   500                                  505                                  510  
 Val His Asp Glu Leu  
           515

<210> 77  
 <211> 908  
 <212> DNA  
 <213> Candida albicans

<400> 77  
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 gccggaaata actctaagcc tattatcttc aataaaatta gaaatttgga agatgttttc 120  
 gaatttatca aggaatcagg tacacatcac attgacggcc aggcaattta tgataaattg 180  
 caccaggcca aggattctga agtgtctact gaagataccg tacatgatga attataatca 240  
 ataaataaag catatataat gcacatTTTT aacatctgat tactcgcatc gtttctggaa 300  
 gaaaatagct aatattcgtt atttatggca tcacgattat tctcaccagt taccggttta 360  
 tgctcttgaa gagatttagc attactgccca ggcgatcttc aaatacagggt ttatatgaga 420  
 cccattacta taaccctaag aagagaaaaa ggagtgcctt cgttttcaat cacattctag 480  
 tttacagtaa ttgagtcctg atgatgttta atatttacct tttcgtcact tttttttcca 540  
 ccattcttgc aggttccctg tcagatttgg aaatcgggtat tatcaagaga ataccggtag 600  
 aagattgctt aattaaggca atgccagggtg ataaagttaa ggttcattat acaggatctt 660  
 tattagaatc gggaactgta tttgactcaa gttattcaag aggtctctct atcgcttttg 720  
 aacttggcgt tggcagagta attaaagggt gggatcaagg tgttgccggc atgtgcgttg 780  
 gcgaaaaaag aaagctgcaa attccaagtt ctttggccta cggagaaaga ggtgtcccag 840  
 gcgtcattcc tccaagtgtc gatttgggtg ttgatgtcga attggttagac gtgaaatcag 900  
 ccgcctag 908

<210> 78  
 <211> 135  
 <212> PRT  
 <213> Candida albicans

<400> 78  
 Met Met Phe Asn Ile Tyr Leu Phe Val Thr Phe Phe Ser Thr Ile Leu  
   1                                  5                                  10                                  15  
 Ala Gly Ser Leu Ser Asp Leu Glu Ile Gly Ile Ile Lys Arg Ile Pro  
           20                                  25                                  30  
 Val Glu Asp Cys Leu Ile Lys Ala Met Pro Gly Asp Lys Val Lys Val

35	40	45
His Tyr Thr Gly Ser Leu Leu Glu Ser Gly Thr Val Phe Asp Ser Ser		
50	55	60
Tyr Ser Arg Gly Ser Pro Ile Ala Phe Glu Leu Gly Val Gly Arg Val		
65	70	75
Ile Lys Gly Trp Asp Gln Gly Val Ala Gly Met Cys Val Gly Glu Lys		
	85	90
Arg Lys Leu Gln Ile Pro Ser Ser Leu Ala Tyr Gly Glu Arg Gly Val		
100	105	110
Pro Gly Val Ile Pro Pro Ser Ala Asp Leu Val Phe Asp Val Glu Leu		
115	120	125
Val Asp Val Lys Ser Ala Ala		
130	135	

<210> 79  
 <211> 1103  
 <212> DNA  
 <213> Candida albicans

<400> 79  
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 attgttaaaa gctattattt atgattttta cttaccaaac attgaaagga gactgaacac 120  
 accacgataa aacgtatggt ctgataccca gcaaatagaga aagtagaagg agaaacctaa 180  
 aaacctgtgg cgggtcaagac tgctagcaag atggatattt agatcataaa ttctaacgca 240  
 tgcatacctga gcaatgaaat catgcaacct aacatttgag gttaatatat gagaattaac 300  
 tagcggttgag gaggtactgc aattttaaag accgaagaat tatcgatgca aggaaaaatg 360  
 ggtctaggat gaatacgagc aattgaaata catttggaat accttgtgaa aatatcacat 420  
 actttcgcc tctatctcga tgcgttatta caagaaaata gttttactaa caaattaaca 480  
 aaaattaaaa tagtgtaaaa atgggtattt ctcgatgattc tcgtcacaaa agatcagcca 540  
 ctggtgctaa acgtgctcaa ttcagaaaaga agagaaagtt cgaattaggt cgtcaaccag 600  
 ccaacacaaa aattgggtgct aagagaatcc actctgtcag aactagaggt ggtaacaaga 660  
 aatacagagc tctaagaatt gaaaccggta acttttcttg ggcttctgaa ggtatctcca 720  
 agaagaccag aattgctggt gttgtttacc atccatccaa caatgaattg gttagaacta 780  
 acactttgac caaggctgcc attgtccaaa ttgatgctac tccattcaga caatggttcg 840  
 aagctcacta cgggtcaaacc ttgggtaaga agaagaacgt caaggaagaa gaaactggtg 900  
 ccaagagcaa gaacgctgaa agaaagtggg ctgctagagc tgcttctgcc aagatcgaat 960  
 cttccggttg atctcaattc agcgccggta gattatacgc ttgtatctct tccagaccag 1020  
 gtcaatccgg tagatgtgat gggtacatct tggaagggtga agaattagct ttctacctaa 1080  
 gaagattgac tgctaagaaa tag 1103

<210> 80  
 <211> 200  
 <212> PRT  
 <213> Candida albicans

<400> 80  
 Met Gly Ile Ser Arg Asp Ser Arg His Lys Arg Ser Ala Thr Gly Ala  
 1 5 10 15

Lys Arg Ala Gln Phe Arg Lys Lys Arg Lys Phe Glu Leu Gly Arg Gln  
                   20                                  25                                  30  
 Pro Ala Asn Thr Lys Ile Gly Ala Lys Arg Ile His Ser Val Arg Thr  
                   35                                  40                                  45  
 Arg Gly Gly Asn Lys Lys Tyr Arg Ala Leu Arg Ile Glu Thr Gly Asn  
                   50                                  55                                  60  
 Phe Ser Trp Ala Ser Glu Gly Ile Ser Lys Lys Thr Arg Ile Ala Gly  
                   65                                  70                                  75                                  80  
 Val Val Tyr His Pro Ser Asn Asn Glu Leu Val Arg Thr Asn Thr Leu  
                                   85                                  90                                  95  
 Thr Lys Ala Ala Ile Val Gln Ile Asp Ala Thr Pro Phe Arg Gln Trp  
                   100                                  105                                  110  
 Phe Glu Ala His Tyr Gly Gln Thr Leu Gly Lys Lys Lys Asn Val Lys  
                   115                                  120                                  125  
 Glu Glu Glu Thr Val Ala Lys Ser Lys Asn Ala Glu Arg Lys Trp Ala  
                   130                                  135                                  140  
 Ala Arg Ala Ala Ser Ala Lys Ile Glu Ser Ser Val Glu Ser Gln Phe  
                   145                                  150                                  155                                  160  
 Ser Ala Gly Arg Leu Tyr Ala Cys Ile Ser Ser Arg Pro Gly Gln Ser  
                                   165                                  170                                  175  
 Gly Arg Cys Asp Gly Tyr Ile Leu Glu Gly Glu Glu Leu Ala Phe Tyr  
                   180                                  185                                  190  
 Leu Arg Arg Leu Thr Ala Lys Lys  
                   195                                  200

&lt;210&gt; 81

&lt;211&gt; 1265

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 81

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ggatttcoga gacatcggtg gcatttgggc ccgtcgaatt aaatcttttg gcctgaaaag 180
agatccatga cggatggggc cggggcaata ctatggttcg agcggtgggc agtctggaag 240
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ggtcgcgaat actgttaagc agtttaaagc ggaaaatgtc cgatgcactg gcgctgctgc 600
gtcagcagca gcagaccagc gtggatgtgg agctgctgca cacgatgcta gcgcgagccg 660
ctgcgcttgc ccatgccgac actatagcat acatgtggta tcagcatgtg atgccacgcc 720

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ggcatgttcc cggcccagcg caggcgcgac gtgtgctggc ggagttccgt caaagttatc 1200
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cataa                                     1265

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<210> 82

<211> 254

<212> PRT

<213> Candida albicans

<400> 82

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Met Leu Thr Ile Thr Lys Arg Leu Val Thr Thr Asp Val Arg Ser Arg
 1             5             10             15

Ile Leu Leu Ser Ser Leu Asn Gly Lys Met Ser Asp Ala Leu Ala Leu
      20             25             30

Leu Arg Gln Gln Gln Thr Ser Val Asp Val Glu Leu Leu His Thr
      35             40             45

Met Leu Ala Arg Ala Ala Ala Leu Ala His Ala Asp Thr Ile Ala Tyr
 50             55             60

Met Trp Tyr Gln His Val Met Pro Arg Arg Leu Pro Val Glu Gly Arg
 65             70             75             80

Leu Leu Cys Glu Met Ala Gly Val Ala Leu Tyr Gln Asp Arg Leu Phe
      85             90             95

Leu Pro Ala Gln Phe Leu Gln His Tyr Gln Ala Met Asn Arg Asp Arg
     100             105             110

Arg Thr Ser Pro Glu Asp Glu Leu Ile Glu Tyr Glu Leu Arg Arg Ile
     115             120             125

Lys Val Glu Ala Phe Ala Arg Gly Thr Met His Ser Thr Ala Leu Arg
     130             135             140

Glu Lys Trp Lys Val Phe Leu Gln Glu Met Asp Thr Leu Pro Gly Gln
 145             150             155             160

Pro Pro Leu Arg Leu Arg Asp Phe Pro Gln Met Thr Lys Ala Met Gly
     165             170             175

Ile Ala Leu Met Gln Gln Asp Glu Gln Ala Ala Ala Leu Ala Leu Phe
     180             185             190

Gly Arg Gln Pro Leu Val Ile Lys Asn Glu Trp Ser Leu Pro Leu Leu
     195             200             205

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Leu Ala Gly Val Leu Trp His Val Pro Gly Pro Ala Gln Ala Arg Arg  
 210 215 220

Val Leu Ala Glu Phe Arg Gln Ser Tyr Arg Gly Leu Pro Leu Leu Asp  
 225 230 235 240

Ala Glu Leu Val Ile Lys Arg Arg Gly Phe Glu Ile Asn Thr  
 245 250

<210> 83  
 <211> 830  
 <212> DNA  
 <213> Candida albicans

<400> 83  
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 tgtaagggg atattgttgc acttgcaggg ggcggcacaa aataacatag aaacgtagta 120  
 aagaggggaa aaggaaaagg aaaaggaaaa ggaaggaaaa aaacccattg acgtagaaat 180  
 tgaagaagg aaaggtatac gcaagcatta atacaaccca caaacacaga ccagaagcac 240  
 tctagacgga gagtaactag atctacagcc cctggaaaat cgtttggtca actttgaggt 300  
 tccggtcgtc cccctcttga tctgaaagggt ctttctctaa atctatatta aaacgtataa 360  
 ataggacggt gaattgcgtt ctacttcctc aattgcgttt gatcttattt aatctctctc 420  
 taatatatag aaaaaaaaaac catctgatta ttcgataatc tcaaacaaac aactcaaaac 480  
 aaaaaaaact aaatacaaca atgtctgacg caggtagaaa aggattcggg gaaaaagctt 540  
 ctgaagcttt gaagccagac tctcaaaagt catacgctga acaaggtaag gaatacatca 600  
 ctgacaaggc cgacaaggtc gctggttaagg ttcaaccaga agacaacaag ggtgtcttcc 660  
 aaggtgtcca cgactctgcc gaaaaaggca aggataacgc tgaagggtcaa ggtgaatctt 720  
 tggcagacca agctagagat tacatgggag cgcgaagtc caagttgaac gatgccgtcg 780  
 aatatgtttc cggtcgtgtc cacggtgaag aagacccaac caagaagtaa 830

<210> 84  
 <211> 109  
 <212> PRT  
 <213> Candida albicans

<400> 84  
 Met Ser Asp Ala Gly Arg Lys Gly Phe Gly Glu Lys Ala Ser Glu Ala  
 1 5 10 15  
 Leu Lys Pro Asp Ser Gln Lys Ser Tyr Ala Glu Gln Gly Lys Glu Tyr  
 20 25 30  
 Ile Thr Asp Lys Ala Asp Lys Val Ala Gly Lys Val Gln Pro Glu Asp  
 35 40 45  
 Asn Lys Gly Val Phe Gln Gly Val His Asp Ser Ala Glu Lys Gly Lys  
 50 55 60  
 Asp Asn Ala Glu Gly Gln Gly Glu Ser Leu Ala Asp Gln Ala Arg Asp  
 65 70 75 80  
 Tyr Met Gly Ala Ala Lys Ser Lys Leu Asn Asp Ala Val Glu Tyr Val  
 85 90 95

Ser Gly Arg Val His Gly Glu Glu Asp Pro Thr Lys Lys  
 100 105

<210> 85  
 <211> 995  
 <212> DNA  
 <213> Candida albicans

<400> 85  
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 taccttggtc agcgtatgac ttttgagagt ctggcttcaa agcttcagaa gctttttcac 180  
 cgaatccttt tctacctgcg tcagacattg ttgtatttag ttttttttgt tttgagttgt 240  
 ttgtttgaga ttatcgaata atcagatggt ttttttttct atatattaga gagagattaa 300  
 ataagatcaa acgcaattga ggaagtagaa cgcaattcac cgtcctatatt atacgtttta 360  
 atatagattt agagaaaagac ctttcagatc aagaggggga cgaccggaac ctcaaagttg 420  
 accaaacgat tttccagggg ctgtagatct agttactctc cgtctagagt gcttctgggtc 480  
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 ccaagggtccc gtcaacacgt cgtcattgct accgccagct ggcaccacaca catcaccgac 780  
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 agggtaacag aatgtgcatt tggatgagcg ggttaa 995

<210> 86  
 <211> 164  
 <212> PRT  
 <213> Candida albicans

<400> 86  
 Met Leu Ala Tyr Thr Phe Pro Ser Phe Asn Phe Tyr Val Asn Gly Phe  
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 Phe Ser Phe Leu Phe Leu Phe Leu Phe Leu Phe Pro Ser Leu Leu Arg  
 20 25 30  
 Phe Tyr Val Ile Leu Cys Arg Pro Leu Gln Val Ala Thr Tyr Pro Leu  
 35 40 45  
 Asn Arg Cys Gln Gln Tyr Ser Ser Leu Ala Ile Phe Thr Ala Ser Gly  
 50 55 60  
 Phe Trp Leu Leu Val Leu Val Pro Arg Ala Lys Gly Pro Ser Thr Arg  
 65 70 75 80  
 Arg His Cys Tyr Arg Gln Leu Ala Pro Thr His His Arg Pro Phe Phe  
 85 90 95  
 Ser Ile Phe Gly Trp Ala Val Ser Gly Ile Arg Pro Leu Pro Glu Ile  
 100 105 110



Phe Thr Trp Ile Cys Ala Ser Pro Phe Phe Leu His Ser Leu Thr Pro  
 115 120 125

Pro Thr Phe Ser His Phe Ser Val Tyr Gln Glu Glu Lys Lys Glu Lys  
 130 135 140

Arg Arg Thr Pro Lys Asn Thr Glu Gln Glu Gly Asn Arg Met Cys Ile  
 145 150 155 160

Trp Met Ser Gly

<210> 87

<211> 2702

<212> DNA

<213> *Candida albicans*

<400> 87

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<210> 88

<211> 733

<212> PRT

<213> Candida albicans

<400> 88

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Met Gly Phe Ser Ser Gly Lys Ser Thr Lys Lys Lys Pro Leu Leu Phe
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Asp Ile Arg Leu Lys Asn Val Asp Asn Asp Val Ile Leu Leu Lys Gly
      20              25              30

Pro Pro Asn Glu Ala Pro Ser Val Leu Leu Ser Gly Cys Ile Val Leu
      35              40              45

Ser Ile Asn Glu Pro Met Gln Ile Lys Ser Ile Ser Leu Arg Leu Tyr
      50              55              60

Gly Lys Ile Gln Ile Asp Val Pro Leu Glu Arg Pro Gln Asp Ala Ser
      65              70              75              80

Ser Ser Ser Leu Ser Ser Ser Pro Pro Lys Ile Arg Lys Tyr Asn Lys
      85              90              95

Val Phe Tyr Asn Tyr Ala Trp Asp Asn Val Asn Leu Lys Glu Tyr Leu
      100             105             110

Ser Gly Leu Arg Gly Gln Ser Gly Leu Ala Gly Ser Ser Ser Ser Ser
      115             120             125

Asn Ile Leu Gly Thr Arg Gln Arg Ala Gln Ser Thr Ser Ser Leu Lys
      130             135             140

Ser Leu Lys Gly Ser Ser Ser Pro Ser Ser Cys Thr Leu Asp Lys Gly
      145             150             155             160

Asn Tyr Asp Phe Pro Phe Ser Ala Ile Leu Pro Gly Ser Leu Pro Glu
      165             170             175

Ser Val Glu Ser Leu Pro Asn Cys Phe Val Thr Tyr Ser Met Glu Ser
      180             185             190

Val Ile Glu Arg Ser Lys Asn Tyr Ser Asp Leu Ile Cys Arg Lys Asn
      195             200             205

Ile Arg Val Leu Arg Thr Ile Ser Pro Ala Ala Val Glu Leu Ser Glu

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210	215	220
Thr Val Cys Val Asp Asn Ser Trp Pro Asp Lys Val Asp Tyr Ser Ile 225 230 235 240		
Ser Val Pro Asn Lys Ala Val Ala Ile Gly Ser Ala Thr Pro Ile Asn 245 250 255		
Ile Ser Ile Val Pro Leu Ser Lys Gly Leu Lys Leu Gly Ser Ile Lys 260 265 270		
Val Val Leu Phe Glu Asn Tyr Gln Tyr Cys Asp Pro Phe Pro Pro Val 275 280 285		
Ile Ser Glu Asn Arg Gln Val Thr Glu Leu Asn Leu Glu Asp Pro Leu 290 295 300		
Asn Glu Ser Ser Gly Glu Phe Asn Gly Asn Gly Cys Phe Val Asn Asn 305 310 315 320		
Pro Phe Phe Gln Pro Asp His Ser Phe Gln Asp Lys Trp Glu Ile Asp 325 330 335		
Thr Ile Leu Gln Ile Pro Asn Ser Leu Ser Asn Cys Val Gln Asp Cys 340 345 350		
Asp Val Arg Ser Asn Ile Lys Val Arg His Lys Leu Lys Phe Phe Ile 355 360 365		
Ile Leu Ile Asn Pro Asp Gly His Lys Ser Glu Leu Arg Ala Ser Leu 370 375 380		
Pro Ile Gln Leu Phe Ile Ser Pro Phe Val Ala Leu Ser Ile Lys Pro 385 390 395 400		
Leu Ser Ser Ser Asn Leu Tyr Ser Leu Phe Ser Thr Thr Asn Gln Lys 405 410 415		
Asp Glu Asn Ser Ser Gln Glu Glu Glu Glu Glu Tyr Leu Phe Ser Arg 420 425 430		
Ser Ala Ser Val Thr Gly Leu Glu Leu Leu Ala Asp Met Arg Ser Gly 435 440 445		
Gly Ser Val Pro Thr Ile Ser Asp Leu Met Thr Pro Pro Asn Tyr Glu 450 455 460		
Met His Val Tyr Asp Arg Leu Tyr Ser Gly Ser Phe Thr Arg Thr Ala 465 470 475 480		
Val Glu Thr Ser Gly Thr Cys Thr Pro Leu Gly Ser Glu Cys Ser Thr 485 490 495		
Val Glu Asp Gln Gln Gln Asp Leu Glu Asp Leu Arg Ile Arg Leu Thr 500 505 510		
Lys Ile Arg Asn Gln Arg Asp Asn Leu Gly Leu Pro Pro Ser Ala Ser		

515	520	525
Ser Ala Ala Ala Ser Arg Ser Leu Ser Pro Leu Leu Asn Val Pro Ala 530	535	540
Pro Glu Asp Gly Thr Glu Arg Ile Leu Pro Gln Ser Ala Leu Gly Pro 545	550	555 560
Asn Ser Gly Ser Val Pro Gly Val His Ser Asn Val Ser Pro Val Leu 565	570	575
Leu Ser Arg Ser Pro Ala Pro Ser Val Ser Ala His Glu Val Leu Pro 580	585	590
Val Pro Ser Gly Leu Asn Tyr Pro Glu Thr Gln Asn Leu Asn Lys Val 595	600	605
Pro Ser Tyr Gly Lys Ala Met Lys Tyr Asp Ile Ile Gly Glu Asp Leu 610	615	620
Pro Pro Ser Tyr Pro Cys Ala Ile Gln Asn Val Gln Pro Arg Lys Pro 625	630	635 640
Ser Arg Val His Ser Arg Asn Ser Ser Thr Thr Leu Ser Ser Ser Ile 645	650	655
Pro Thr Ser Phe His Ser Ser Ser Phe Met Ser Ser Thr Ala Ser Pro 660	665	670
Ile Ser Ile Ile Asn Gly Ser Arg Ser Ser Ser Ser Gly Val Ser Leu 675	680	685
Asn Thr Leu Asn Glu Leu Thr Ser Lys Thr Ser Asn Asn Pro Ser Ser 690	695	700
Asn Ser Met Lys Arg Ser Pro Thr Arg Arg Arg Ala Thr Ser Leu Ala 705	710	715 720
Gly Phe Met Gly Gly Phe Leu Ser Lys Gly Asn Lys Arg 725	730	

&lt;210&gt; 89

&lt;211&gt; 1259

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 89

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<210> 90

<211> 252

<212> PRT

<213> *Candida albicans*

<400> 90

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Met Ser Gly Ala Ala Ala Ala Ser Ala Ala Gly Tyr Asp Arg His Ile
  1              5              10              15

Thr Ile Phe Ser Pro Glu Gly Arg Leu Tyr Gln Val Glu Tyr Ala Phe
      20              25              30

Lys Ala Thr Asn Gln Thr Asn Ile Asn Ser Leu Ala Val Arg Gly Lys
      35              40              45

Asp Cys Thr Val Val Ile Ser Gln Lys Lys Val Pro Asp Lys Leu Leu
      50              55              60

Asp Pro Thr Thr Val Ser Tyr Ile Phe Cys Ile Ser Arg Thr Ile Gly
      65              70              75              80

Met Val Val Asn Gly Pro Ile Pro Asp Ala Arg Asn Ala Ala Leu Arg
      85              90              95

Ala Lys Ala Glu Ala Ala Glu Phe Arg Tyr Lys Tyr Gly Tyr Asp Met
      100              105              110

Pro Cys Asp Val Leu Ala Lys Arg Met Ala Asn Leu Ser Gln Ile Tyr
      115              120              125

Thr Gln Arg Ala Tyr Met Arg Pro Leu Gly Val Ile Leu Thr Phe Val
      130              135              140

Ser Val Asp Glu Glu Leu Gly Pro Ser Ile Tyr Lys Thr Asp Pro Ala
      145              150              155              160

Gly Tyr Tyr Val Gly Tyr Lys Ala Thr Ala Thr Gly Pro Lys Gln Gln
      165              170              175

Glu Ile Thr Thr Asn Leu Glu Asn His Phe Lys Lys Ser Lys Ile Asp
      180              185              190

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His Ile Asn Glu Glu Ser Trp Glu Lys Val Val Glu Phe Ala Ile Thr  
 195 200 205

His Met Ile Asp Ala Leu Gly Thr Glu Phe Ser Lys Asn Asp Leu Glu  
 210 215 220

Val Gly Val Ala Thr Lys Asp Lys Phe Phe Thr Leu Ser Ala Glu Asn  
 225 230 235 240

Ile Glu Glu Arg Leu Val Ala Ile Ala Glu Gln Asp  
 245 250

<210> 91

<211> 968

<212> DNA

<213> Candida albicans

<400> 91

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 aacctagtaa aatgaattct gaatttgcaa aaagtccata tttccacggt ctctctctcc 360  
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 ccaaactctgc ctctttgttc aagcaaagaa agaacccaag aagaatcgct tggactgtct 660  
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<210> 92

<211> 155

<212> PRT

<213> Candida albicans

<400> 92

Met Lys Val Glu Ile Asp Ser Phe Ser Gly Ala Lys Ile Tyr Pro Gly  
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Arg Gly Thr Leu Phe Val Arg Gly Asp Ser Lys Ile Phe Arg Phe Gln  
 20 25 30

Asn Ser Lys Ser Ala Ser Leu Phe Lys Gln Arg Lys Asn Pro Arg Arg  
 35 40 45

Ile Ala Trp Thr Val Leu Phe Arg Lys His His Lys Lys Gly Ile Thr  
 50 55 60

99

Glu Glu Val Ala Lys Lys Arg Ser Arg Lys Thr Val Lys Ala Gln Arg  
 65 70 75 80  
 Pro Ile Thr Gly Ala Ser Leu Asp Leu Ile Lys Glu Arg Arg Ser Leu  
 85 90 95  
 Lys Pro Glu Val Arg Lys Ala Asn Arg Glu Glu Lys Leu Lys Ala Asn  
 100 105 110  
 Lys Glu Lys Lys Lys Ala Glu Lys Ala Ala Arg Lys Ala Glu Lys Ala  
 115 120 125  
 Lys Ser Ala Gly Thr Gln Ser Ser Lys Phe Ser Lys Gln Gln Ala Lys  
 130 135 140  
 Gly Ala Phe Gln Lys Val Ala Ala Thr Ser Arg  
 145 150 155

<210> 93  
 <211> 764  
 <212> DNA  
 <213> Candida albicans

<400> 93  
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<210> 94  
 <211> 87  
 <212> PRT  
 <213> Candida albicans

<400> 94  
 Met Gln Leu Leu Arg Cys Phe Ser Ile Phe Ser Val Ile Ala Ser Val  
 1 5 10 15  
 Leu Ala Gln Glu Leu Thr Thr Ile Cys Glu Gln Ile Pro Ser Pro Thr  
 20 25 30  
 Leu Glu Ser Thr Pro Tyr Ser Leu Ser Thr Thr Thr Ile Leu Ala Asn  
 35 40 45  
 Gly Lys Ala Met Gln Gly Val Phe Glu Tyr Tyr Lys Ser Val Thr Phe

100

50

55

60

Val Ser Asn Cys Gly Ser His Pro Ser Thr Thr Ser Lys Gly Ser Pro  
 65 70 75 80

Ile Asn Thr Gln Tyr Val Phe  
 85

&lt;210&gt; 95

&lt;211&gt; 1430

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 95

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&lt;210&gt; 96

&lt;211&gt; 309

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 96

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Met Asp Ser Lys Glu Val Leu Val His Val Lys Asn Leu Glu Lys Asn
  1 5 10 15
Lys Ser Asn Asp Ala Ala Val Leu Glu Ile Leu His Val Leu Asp Lys
  20 25 30
Glu Phe Val Pro Thr Glu Lys Leu Leu Arg Glu Thr Lys Val Gly Val
  35 40 45

```



Glu Val Asn Lys Phe Lys Lys Ser Thr Asn Val Glu Ile Ser Lys Leu  
 50 55 60  
 Val Lys Lys Met Ile Ser Ser Trp Lys Asp Ala Ile Asn Lys Asn Lys  
 65 70 75 80  
 Arg Ser Arg Gln Ala Gln Gln His His Gln Asp His Ala Pro Gly Asn  
 85 90 95  
 Ala Glu Asp Lys Thr Thr Val Gly Glu Ser Val Asn Gly Val Gln Gln  
 100 105 110  
 Pro Ala Ser Ser Gln Ser Asp Ala Met Lys Gln Asp Lys Tyr Val Ser  
 115 120 125  
 Thr Lys Pro Arg Asn Ser Lys Asn Asp Gly Val Asp Thr Ala Ile Tyr  
 130 135 140  
 His His Lys Leu Arg Asp Gln Val Leu Lys Ala Leu Tyr Asp Val Leu  
 145 150 155 160  
 Ala Lys Glu Ser Glu His Pro Pro Gln Ser Ile Leu His Thr Ala Lys  
 165 170 175  
 Ala Ile Glu Ser Glu Met Asn Lys Val Asn Asn Cys Asp Thr Asn Glu  
 180 185 190  
 Ala Ala Tyr Lys Ala Arg Tyr Arg Ile Ile Tyr Ser Asn Val Ile Ser  
 195 200 205  
 Lys Asn Asn Pro Asp Leu Lys His Lys Ile Ala Asn Gly Asp Ile Thr  
 210 215 220  
 Pro Glu Phe Leu Ala Thr Cys Asp Ala Lys Asp Leu Ala Pro Ala Pro  
 225 230 235 240  
 Leu Lys Gln Lys Ile Glu Glu Ile Ala Lys Gln Asn Leu Tyr Asn Ala  
 245 250 255  
 Gln Gly Ala Thr Ile Glu Arg Ser Val Thr Asp Arg Phe Thr Cys Gly  
 260 265 270  
 Lys Cys Lys Glu Lys Lys Val Ser Tyr Tyr Gln Leu Gln Thr Arg Ser  
 275 280 285  
 Ala Asp Glu Pro Leu Thr Thr Phe Cys Thr Cys Glu Ala Cys Gly Asn  
 290 295 300  
 Arg Trp Lys Phe Ser  
 305

&lt;210&gt; 97

&lt;211&gt; 929

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 97

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&lt;210&gt; 98

&lt;211&gt; 142

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 98

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Met Arg Leu Ser Asp Gln Phe Asn Asn Thr Thr Ser Ser Ser Asp Phe
 1              5              10              15

Phe Phe Ser Gln Leu Gly Asp Glu Ser Ser Phe Asp Asp Asn Trp Asn
      20              25              30

Ile Trp Asn Ser Thr Leu Thr Gln Asp Leu Thr Val Thr Gly Cys Gln
      35              40              45

Ser Val Asn Asn Trp Ser Ser Phe Leu Arg Ser Arg Phe Gln Val Leu
      50              55              60

Val Ser Leu Val Phe Trp Asp Gln Cys Pro Gln Phe Val Gln Val Gln
      65              70              75              80

Asp Trp Leu Pro Glu Met Ser Leu Leu Leu Val Glu Val Ser His Thr
      85              90              95

Asn Leu Thr Glu Ile Thr Trp Met Val Phe Ile His Val Asn Ser Val
      100              105              110

Val Met Leu Thr Thr Gly His Thr Ser Thr Thr Gly Val Leu Ser Val
      115              120              125

Leu Thr Asp Thr Thr Phe Thr Gly Cys Thr Lys Lys Ile Leu
      130              135              140

```

&lt;210&gt; 99

&lt;211&gt; 1461

&lt;212&gt; DNA

<213> *Candida albicans*

&lt;400&gt; 99

```

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actttggcag ccggttacgg taagatcttg ggtaagggtg gaattccaaa tgttcagtt 1380
atcgtaaaag ctagattcgt ctccaagttg gctgaagaaa aaatcagagc tgctggtggt 1440
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```

&lt;210&gt; 100

&lt;211&gt; 149

&lt;212&gt; PRT

<213> *Candida albicans*

&lt;400&gt; 100

```

Met Pro Ser Arg Phe Thr Lys Thr Arg Lys His Arg Gly His Val Ser
 1             5             10             15

Ala Gly Lys Gly Arg Ile Gly Lys His Arg Lys His Pro Gly Gly Arg
      20             25             . 30

Gly Met Ala Gly Gly Gln His His His Arg Ile Asn Met Asp Lys Tyr
      35             40             45

His Pro Gly Tyr Phe Gly Lys Val Gly Met Arg Tyr Phe His Lys Gln
      50             55             60

Gln Ala His Phe Trp Lys Pro Val Leu Asn Leu Asp Lys Leu Trp Thr
      65             70             75             80

Leu Ile Pro Glu Asp Lys Arg Asp Gln Tyr Leu Lys Ser Ala Ser Lys
      85             90             95

Glu Thr Ala Pro Val Ile Asp Thr Leu Ala Ala Gly Tyr Gly Lys Ile
      100             105             110

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Leu Gly Lys Gly Arg Ile Pro Asn Val Pro Val Ile Val Lys Ala Arg  
 115 120 125

Phe Val Ser Lys Leu Ala Glu Glu Lys Ile Arg Ala Ala Gly Gly Val  
 130 135 140

Val Glu Leu Ile Ala  
 145

<210> 101  
 <211> 1880  
 <212> DNA  
 <213> Candida albicans

<400> 101  
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 gtggaatacg atctgttata tctaaactaa agctaactaa cggaataagc aaatacgaat 480  
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 aggatgattg gtcggattag 1880

<210> 102  
 <211> 459  
 <212> PRT  
 <213> Candida albicans

105

&lt;400&gt; 102

Met	Val	Leu	Ala	Met	Glu	Ser	Arg	Val	Ala	Pro	Glu	Ile	Pro	Gly	Leu
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Ile	Gln	Pro	Gly	Asn	Val	Thr	Gln	Asp	Leu	Lys	Met	Met	Val	Cys	Lys
			20					25					30		
Leu	Leu	Asn	Ser	Pro	Lys	Pro	Thr	Lys	Thr	Phe	Pro	Gly	Ser	Gln	Pro
		35					40					45			
Val	Ser	Phe	Gln	His	Ser	Asp	Val	Glu	Glu	Lys	Leu	Leu	Ala	His	Asp
	50					55					60				
Tyr	Tyr	Val	Cys	Glu	Lys	Thr	Asp	Gly	Leu	Arg	Val	Leu	Met	Phe	Ile
65					70					75					80
Val	Ile	Asn	Pro	Val	Thr	Gly	Glu	Gln	Gly	Cys	Phe	Met	Ile	Asp	Arg
				85					90					95	
Glu	Asn	Asn	Tyr	Tyr	Leu	Val	Asn	Gly	Phe	Arg	Phe	Pro	Arg	Leu	Pro
			100					105					110		
Gln	Lys	Lys	Lys	Glu	Glu	Leu	Leu	Glu	Thr	Leu	Gln	Asp	Gly	Thr	Leu
		115					120					125			
Leu	Asp	Gly	Glu	Leu	Val	Ile	Gln	Thr	Asn	Pro	Met	Thr	Lys	Leu	Gln
	130					135					140				
Glu	Leu	Arg	Tyr	Leu	Met	Phe	Asp	Cys	Leu	Ala	Ile	Asn	Gly	Arg	Cys
145					150					155					160
Leu	Thr	Gln	Ser	Pro	Thr	Ser	Ser	Arg	Leu	Ala	His	Leu	Gly	Lys	Glu
				165					170					175	
Phe	Phe	Lys	Pro	Tyr	Phe	Asp	Leu	Arg	Ala	Ala	Tyr	Pro	Asn	Arg	Cys
			180					185					190		
Thr	Thr	Phe	Pro	Phe	Lys	Ile	Ser	Met	Lys	His	Met	Asp	Phe	Ser	Tyr
		195					200					205			
Gln	Leu	Val	Lys	Val	Ala	Lys	Ser	Leu	Asp	Lys	Leu	Pro	His	Leu	Ser
	210					215					220				
Asp	Gly	Leu	Ile	Phe	Thr	Pro	Val	Lys	Ala	Pro	Tyr	Thr	Ala	Gly	Gly
225					230					235					240
Lys	Asp	Ser	Leu	Leu	Leu	Lys	Trp	Lys	Pro	Glu	Gln	Glu	Asn	Thr	Val
			245						250				255		
Asp	Phe	Lys	Leu	Ile	Leu	Asp	Ile	Pro	Met	Val	Glu	Asp	Pro	Ser	Leu
			260					265					270		
Pro	Lys	Asp	Asp	Arg	Asn	Arg	Trp	Tyr	Tyr	Asn	Tyr	Asp	Val	Lys	Pro
		275					280					285			
Val	Phe	Ser	Leu	Tyr	Val	Trp	Gln	Gly	Gly	Ala	Asp	Val	Asn	Ser	Arg
	290					295					300				

Leu Lys His Phe Asp Gln Pro Phe Asp Arg Lys Glu Phe Glu Ile Leu  
 305 310 315 320  
 Glu Arg Thr Tyr Arg Lys Phe Ala Glu Leu Ser Val Ser Asp Glu Glu  
 325 330 335  
 Trp Gln Asn Leu Lys Asn Leu Glu Gln Pro Leu Asn Gly Arg Ile Val  
 340 345 350  
 Glu Cys Ala Lys Asn Gln Glu Thr Gly Ala Trp Glu Met Leu Arg Phe  
 355 360 365  
 Arg Asp Asp Lys Leu Asn Gly Asn His Thr Ser Val Val Gln Lys Val  
 370 375 380  
 Leu Glu Ser Ile Asn Asp Ser Val Ser Leu Glu Asp Leu Glu Glu Ile  
 385 390 395 400  
 Val Gly Asp Ile Lys Arg Cys Trp Asp Glu Arg Arg Ala Asn Met Ala  
 405 410 415  
 Gly Gly Ser Gly Arg Pro Leu Pro Ser Gln Ser Gln Asn Ala Thr Leu  
 420 425 430  
 Ser Thr Ser Lys Pro Val His Ser Gln Pro Pro Ser Asn Asp Lys Glu  
 435 440 445  
 Pro Lys Tyr Val Asp Glu Asp Asp Trp Ser Asp  
 450 455

&lt;210&gt; 103

&lt;211&gt; 1076

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 103

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 gaaaaaattg tactgatgct aattttgggtg tcgttcttct tttttatttt gtaagactgt 180  
 tttccagaaa tgtttggggtt tatttttttaa ttttttgaaa catttttttc atcctttctc 240  
 attttgtcat ttcatTTTTt tgtggaaaaat ttactgacg cgaagaagcg atgaaatttc 300  
 caacatcctc ccatcatccc aatattggca tacacacaca tgcagcacag cggaactgcg 360  
 gaggtcagag gcaatgtggc agagacgctg gcgcgcctgt attgtataat agtatatttt 420  
 aacttcaatt caattttttg atattaaatt agtgtgtaaa aagcttctga aatcaagaag 480  
 cccgtaccag aagttcaatc atgaaataca tccaaactga acaacaaatc gaagtcccag 540  
 aaggtgtcac tgtcagcatc aagtccagaa tcgtcaaggt tgttggtcca agaggactt 600  
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107

<210> 104  
 <211> 191  
 <212> PRT  
 <213> Candida albicans

<400> 104  
 Met Lys Tyr Ile Gln Thr Glu Gln Gln Ile Glu Val Pro Glu Gly Val  
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 Thr Val Ser Ile Lys Ser Arg Ile Val Lys Val Val Gly Pro Arg Gly  
                     20                    25                    30  
 Thr Leu Thr Lys Asn Leu Lys His Ile Asp Val Thr Phe Thr Lys Val  
                     35                    40                    45  
 Asn Asn Gln Leu Ile Lys Val Ala Val His Asn Gly Gly Arg Lys His  
                     50                    55                    60  
 Val Ala Ala Leu Arg Thr Val Lys Ser Leu Val Asp Asn Met Ile Thr  
                     65                    70                    75                    80  
 Gly Val Thr Lys Gly Tyr Lys Tyr Lys Met Arg Tyr Val Tyr Ala His  
                     85                    90                    95  
 Phe Pro Ile Asn Val Asn Ile Val Glu Lys Asp Gly Ala Lys Phe Ile  
                     100                    105                    110  
 Glu Val Arg Asn Phe Leu Gly Asp Lys Lys Ile Arg Asn Val Pro Val  
                     115                    120                    125  
 Arg Asp Gly Val Thr Ile Glu Phe Ser Thr Asn Val Lys Asp Glu Ile  
                     130                    135                    140  
 Val Leu Ser Gly Asn Ser Val Glu Asp Val Ser Gln Asn Ala Ala Asp  
                     145                    150                    155                    160  
 Leu Gln Gln Ile Cys Arg Val Arg Asn Lys Asp Ile Arg Lys Phe Leu  
                     165                    170                    175  
 Asp Gly Ile Tyr Val Ser His Lys Gly Phe Ile Thr Glu Asp Leu  
                     180                    185                    190

<210> 105  
 <211> 1694  
 <212> DNA  
 <213> Candida albicans

<400> 105  
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 caggggaagtc atatgggatg gtgcttccta catctctctc caatcgtgtc ttcagtttcc 180  
 aaaactcgga ataccttttg taaaggcgct tgtttggtgt actaacaccg tataaaacat 240  
 acttgggggtt gattttaaca tcgtccacct tgattcttaa cttttcactc attttccta 300

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atttaaatga aagtttatgc tgtgtttgtt tagatagaag catcagggtg tttagagaag 1680
ctggcggtaa ataa 1694

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&lt;210&gt; 106

&lt;211&gt; 397

&lt;212&gt; PRT

<213> *Candida albicans*

&lt;400&gt; 106

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Met Ser Lys Val Phe Ile Ala Thr Ala Asn Ala Gly Lys Ala His Asp
 1             5             10             15

Ala Asp Ile Phe Ser Val Ser Ala Cys Asn Ser Phe Thr Val Ser Cys
      20             25             30

Ser Gly Asp Gly Tyr Leu Lys Val Trp Asp Asn Lys Leu Leu Asp Asn
      35             40             45

Glu Asn Pro Lys Asp Lys Ser Tyr Ser His Phe Val His Lys Ser Gly
      50             55             60

Leu His His Val Asp Val Leu Gln Ala Ile Glu Arg Asp Ala Phe Glu
      65             70             75             80

Leu Cys Leu Val Ala Thr Thr Ser Phe Ser Gly Asp Leu Leu Phe Tyr
      85             90             95

Arg Ile Thr Arg Glu Asp Glu Thr Lys Lys Val Ile Phe Glu Lys Leu
      100            105            110

Asp Leu Leu Asp Ser Asp Met Lys Lys His Ser Phe Trp Ala Leu Lys
      115            120            125

Trp Gly Ala Ser Asn Asp Arg Leu Leu Ser His Arg Leu Val Ala Thr

```



130					135					140					
Asp	Val	Lys	Gly	Thr	Thr	Tyr	Ile	Trp	Lys	Phe	His	Pro	Phe	Ala	Asp
145					150					155					160
Glu	Ser	Asn	Ser	Leu	Thr	Leu	Asn	Trp	Ser	Pro	Thr	Leu	Glu	Leu	Gln
				165					170					175	
Gly	Thr	Val	Glu	Ser	Pro	Met	Thr	Pro	Ser	Gln	Phe	Ala	Thr	Ser	Val
			180					185					190		
Asp	Ile	Ser	Glu	Arg	Gly	Leu	Ile	Ala	Thr	Gly	Phe	Asn	Asn	Gly	Thr
		195					200					205			
Val	Gln	Ile	Ser	Glu	Leu	Ser	Thr	Leu	Arg	Pro	Leu	Tyr	Asn	Phe	Glu
	210						215					220			
Ser	Gln	His	Ser	Met	Ile	Asn	Asn	Ser	Asn	Ser	Ile	Arg	Ser	Val	Lys
225						230					235				240
Phe	Ser	Pro	Gln	Gly	Ser	Leu	Leu	Ala	Ile	Ala	His	Asp	Ser	Asn	Ser
				245					250					255	
Phe	Gly	Cys	Ile	Thr	Leu	Tyr	Glu	Thr	Glu	Phe	Gly	Glu	Arg	Ile	Gly
			260					265					270		
Ser	Leu	Ser	Val	Pro	Thr	His	Ser	Ser	Gln	Ala	Ser	Leu	Gly	Glu	Phe
		275					280					285			
Ala	His	Ser	Ser	Trp	Val	Met	Ser	Leu	Ser	Phe	Asn	Asp	Ser	Gly	Glu
	290					295					300				
Thr	Leu	Cys	Ser	Ala	Gly	Trp	Asp	Gly	Lys	Leu	Arg	Phe	Trp	Asp	Val
305						310					315				320
Lys	Thr	Lys	Glu	Arg	Ile	Thr	Thr	Leu	Asn	Met	His	Cys	Asp	Asp	Ile
				325					330					335	
Glu	Ile	Glu	Glu	Asp	Ile	Leu	Ala	Val	Asp	Glu	His	Gly	Asp	Ser	Leu
			340					345					350		
Ala	Glu	Pro	Gly	Val	Phe	Asp	Val	Lys	Phe	Leu	Lys	Lys	Gly	Trp	Arg
		355					360					365			
Ser	Gly	Met	Gly	Ala	Asp	Leu	Asn	Glu	Ser	Leu	Cys	Cys	Val	Cys	Leu
	370					375					380				
Asp	Arg	Ser	Ile	Arg	Trp	Phe	Arg	Glu	Ala	Gly	Gly	Lys			
385					390					395					

&lt;210&gt; 107

&lt;211&gt; 1037

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 107

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gcttcgtggg ttcgactgac acggtttcat tcagaaaact cataggggaca ggcaacgcat 240
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catccagaac cacacctttg atgaccttgt ggccacatcc ggggtcatac aagatcaagt 540
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tcagcccatc gagagcgctg atttccttta caaggatgcc cttaccact ccaccaatag 780
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&lt;210&gt; 108

&lt;211&gt; 178

&lt;212&gt; PRT

<213> *Candida albicans*

&lt;400&gt; 108

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Met Thr Leu Trp Pro His Pro Gly Ser Tyr Lys Ile Lys Ser Ala Thr
  1              5              10              15

Leu Phe Cys Ser Arg Asp Lys Leu Gly Cys Ala Phe Leu Ser Glu Ser
  20              25              30

Ser Leu Cys Met Tyr Phe Leu Tyr Asn Ser Leu Ser Ile Trp Ala Leu
  35              40              45

Gly Pro His Thr Ala Gly Pro Leu Leu Leu Phe Ser Ile Leu Asn Cys
  50              55              60

Thr Pro Ala Arg Ser Val Thr Leu Pro Ile Ser Pro Ser Arg Ala Ser
  65              70              75              80

Ile Ser Phe Thr Arg Met Pro Leu Pro Thr Pro Pro Ile Glu Gly Leu
  85              90              95

His Glu His Leu Pro Ile Ser Val Asn Asp Gly Val Met Arg Val Val
  100             105             110

Cys Ala Pro Val Leu Asp Asp Ala Ala Ala Ala Ser Gln Pro Ala Cys
  115             120             125

Pro Ala Pro Met Thr Thr Thr Cys Val Leu Val Val Gly Trp Lys Leu
  130             135             140

Val Lys Glu Asp Met Val Asn Arg Leu Leu Arg Thr Cys Lys Gly Asn
  145             150             155             160

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&lt;400&gt; 111

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tccttacttt agtctattat caatatctct tccccctcct aaatatgtac tcttttattt 60
tttttaattg tgaaggaaca attcaagtta gaactctttt gataggaaac attatttcct 120
gtgtagccta atgtttaatg cctaattttt ttctaaaatg cagcaacata catatgttga 180
gtcgtataga catctatata taacaagcac agaaccgtct aattgggtatt tttcaggaca 240
ttttaaacat ccgtacaacg agaaccata cattactttt tttaatatc tttttgtttt 300
caccgccttc tttttatttt tatccgaaga tcttttgga cccgctctgc gaatagcgaa 360
gctaggatac caaattgaaa cttggacata actcatcatt aaagaagtat actgttaaga 420
gaggcattca tttcgtgtat tataacgttt agcatcagtt acccttgaaa gccaacata 480
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ccaaggtttt agaacaatta tctgggtcaaa ctccagttca atccaaggcc agatacactg 660
tcagaacttt cgggtatcaga agaaacgaaa aaattgctgt tcacgttacc gtcagaggtc 720
caaaggctga agaaattttg gaaagaggtt tgaagggtcaa ggaataccaa ttgagagaca 780
gaaacttctc tgctaccggt aacttcggtt tcggtattga cgaacacatt gacttgggta 840
tcaagtatga cccatccatc ggtattttcg gtatggattt ctatgtcgtc atgaacagac 900
caggtgctag agtcactaga agaaagagat gtaagggtac tgttggtaac tcccacaaga 960
caactaagga agacaccgtc tcttggttca agcaaaaagta cgacgctgat gtgctcgata 1020
aataa 1025

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&lt;210&gt; 112

&lt;211&gt; 174

&lt;212&gt; PRT

<213> *Candida albicans*

&lt;400&gt; 112

```

Met Ser Thr Lys Ala Gln Asn Pro Met Arg Asp Leu Lys Ile Glu Lys
  1              5              10              15

Leu Val Leu Asn Ile Ser Val Gly Glu Ser Gly Asp Arg Leu Thr Arg
      20              25              30

Ala Ser Lys Val Leu Glu Gln Leu Ser Gly Gln Thr Pro Val Gln Ser
      35              40              45

Lys Ala Arg Tyr Thr Val Arg Thr Phe Gly Ile Arg Arg Asn Glu Lys
      50              55              60

Ile Ala Val His Val Thr Val Arg Gly Pro Lys Ala Glu Glu Ile Leu
      65              70              75              80

Glu Arg Gly Leu Lys Val Lys Glu Tyr Gln Leu Arg Asp Arg Asn Phe
      85              90              95

Ser Ala Thr Gly Asn Phe Gly Phe Gly Ile Asp Glu His Ile Asp Leu
      100             105             110

Gly Ile Lys Tyr Asp Pro Ser Ile Gly Ile Phe Gly Met Asp Phe Tyr
      115             120             125

Val Val Met Asn Arg Pro Gly Ala Arg Val Thr Arg Arg Lys Arg Cys
      130             135             140

Lys Gly Thr Val Gly Asn Ser His Lys Thr Thr Lys Glu Asp Thr Val
      145             150             155             160

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113

Ser Trp Phe Lys Gln Lys Tyr Asp Ala Asp Val Leu Asp Lys  
 165 170

<210> 113  
 <211> 1258  
 <212> DNA  
 <213> *Candida albicans*

<400> 113  
 agccatgtcg gtcgcactag actttttcttc tcaactgtcac ttacctgttt gaaatcatgt 60  
 cctttttttt tttgccattc ttatacattt tctttccttc tgaaattaac tgtacaccca 120  
 taccctatat acaccatac cctattttta aatataaaaa gtaaacttca ttttgaaaga 180  
 ccactctgca tcagcacgcg ggctctggaa ggaagaaatg acgtttcggc ggaataccct 240  
 ttcagaaggt ctgctcttgt ggctggttca tgggagacac ccagcggagc tcctcccag 300  
 aaaggccccct tcatctctgc cgattgctga cggaaagcag tagcggagggt ttgagttctc 360  
 tacgccgaga gtacactgcc gtaatatcac aatgtttcga ctaacgggta cagtacgtta 420  
 aattagatac tgcctatgaa ttgacatatt agataatgtc aaattttaca aaaacctaag 480  
 acaacaggaa ataaacaaag atgggtaaag gtaagccaag aggtttgaac tctgctagaa 540  
 agctacgtgt ccacagaaga aacaagtatg ttgactatct caaaattaaa aaaaactatc 600  
 aaccccctat tgtgatatcg ttttaggtga aggaaatgtt gtgagctctg gtagtgataaa 660  
 tttatcaagt aacatattcct ggcgcaaatc agtttgaga ggcttaaaat gacacgtcac 720  
 agtgataaaa agtaatgaat agtgaacggc cagcttcggc cattcttccc aatctatagt 780  
 gtggaaaata aaccttttct tcccaaaaata actcagaaaag tcacaggagg ccgtttttta 840  
 caacggaatc atttttttac taacagtttt tttttattat tatagccgtt gggccgaaaa 900  
 caactacaag aagagattgt tgggtactgc cttcaagtct tctccattcg gtggttcttc 960  
 tcatgccaaag ggatcgtctc tggaaaaatt gggatatcga tccaagcaac ctaactctgc 1020  
 tatcagaaaag tgtgttagag ttcaattaat caagaacggc aagaagggtca ctgctttcgt 1080  
 tccaaacgat gggtgtttga actttgtcga cgaaaatgat gaagtcttgc tagcagggtt 1140  
 cggtagaaaag ggtaaagcta aggggtgat tccagggtgt agattcaagg tcgttaaggt 1200  
 ctctggtgtc tccttggttg ctttgtggaa agaaaagaag gaaaagccaa gatcataa 1258

<210> 114  
 <211> 145  
 <212> PRT  
 <213> *Candida albicans*

<400> 114  
 Met Gly Lys Gly Lys Pro Arg Gly Leu Asn Ser Ala Arg Lys Leu Arg  
 1 5 10 15  
 Val His Arg Arg Asn Asn Arg Trp Ala Glu Asn Asn Tyr Lys Lys Arg  
 20 25 30  
 Leu Leu Gly Thr Ala Phe Lys Ser Ser Pro Phe Gly Gly Ser Ser His  
 35 40 45  
 Ala Lys Gly Ile Val Leu Glu Lys Leu Gly Ile Glu Ser Lys Gln Pro  
 50 55 60  
 Asn Ser Ala Ile Arg Lys Cys Val Arg Val Gln Leu Ile Lys Asn Gly  
 65 70 75 80  
 Lys Lys Val Thr Ala Phe Val Pro Asn Asp Gly Cys Leu Asn Phe Val  
 85 90 95

114

Asp Glu Asn Asp Glu Val Leu Leu Ala Gly Phe Gly Arg Lys Gly Lys  
 100 105 110

Ala Lys Gly Asp Ile Pro Gly Val Arg Phe Lys Val Val Lys Val Ser  
 115 120 125

Gly Val Ser Leu Leu Ala Leu Trp Lys Glu Lys Lys Glu Lys Pro Arg  
 130 135 140

Ser  
 145

<210> 115  
 <211> 1733  
 <212> DNA  
 <213> Candida albicans

<400> 115  
 ggactacttt acagggtaat gaatatttgg gcgtttttcg ctatttttagc atgctgtagt 60  
 gtatgtactg tgcacgtca ttagcacta tttcagccgt atttttcttt ttttctttcg 120  
 caccgtctgt ggttgtaaag ttactgacac ttttttttct agaaagttcc ggaaaattgc 180  
 gacactcggg ggagctcgag agttgtatcc agttttcttg ttcggcgata ttccgaacca 240  
 ggtcgggttg ggctaacagc cgcccaggat ggaagaatta agaatttcat agaagccttc 300  
 agttcttggc gaagtaaagt ggcaaaacaa atggaagatc tattgcatta catatataaa 360  
 agcattagaa caatcttttc tcattgacag gtattctcat tgctctatat atattttctt 420  
 ctctttgaaa gaaatatcag tattacaatc ataacaacaa ccaaaagaaa ataactaata 480  
 gacccatta caatatagaa atgttttcca tattcaattc accatgtgtt tttgaacagc 540  
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 attatccaga atgtaaaagg aggaaagcaa taaaagctaa cctaagagct ccaaaaaaaa 660  
 gcgatgcaaa ttgttcagaa cttttgaggt atgcacttgc tgaaacacca aatgggtata 720  
 cattaagctt gtctaagcgg attccatatt aacttttttc aaagtacgtt aatgagaaat 780  
 taggtgagct aaaggagaaac cattacagac caacttacca tgttgtccaa gatttttttg 840  
 gaaaccagta ttatgttgaa gatgaagcgg atgaagatgc tctattgaga tctgcattga 900  
 aagatctgga ttttagagcc ataggaaaga aaattgctaa ggatcttttc caagactacg 960  
 aaatagaatt gaatcataga ggtgatgaat tgagcatatt gagtaagaag gataaaatct 1020  
 ttaaggaatt ctctctagac caagtgtttg aagatgtttt tgttattggc tgtggagttg 1080  
 aaaacataga tgatggctcg agagaaaaat atgcactttt aaagattggg ttagttaagc 1140  
 atgaggaaga aatttccgaa ggtggcatca acgaaccaa gatgccata attgaatcca 1200  
 aaatagacga gtctcacgat gatgttaaca tgtctgaatc tttgaaggag gaagaagcgg 1260  
 agaaagcgaa agaaccacta accaaagaag accaaataaa aaaatggata gaggaagaaa 1320  
 gattgatgca ggaggaaaagc agaaaatcag aacaggaaaa agctgccaaag gaagatgaag 1380  
 aaaggcaaaa gaaagagaag gaagccagat tgaaggcaag gaaagaatct ttgataaata 1440  
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 ctgagattga ggccagcaat aaaaataata atagcaattc tggttcagca gaaagtgata 1560  
 atgaaagtat aaacagtgat tctgatacga ctttggattt ctctgtgtct ggtaatacac 1620  
 taaaaaaaca cgcttcaccc ctattagaag acgttgagga tgaggaagtt gacagataca 1680  
 acgagtcctt aagcagatct cccaagggaa actctattat tgaggagata taa 1733

<210> 116  
 <211> 410  
 <212> PRT  
 <213> Candida albicans

&lt;400&gt; 116

Met Phe Ser Ile Phe Asn Ser Pro Cys Val Phe Glu Gln Leu Pro Ser  
 1 5 10 15  
 Phe Ser Gln Pro Leu His Ser Arg Tyr Phe Asp Cys Ser Ser Pro Val  
 20 25 30  
 Ser Tyr Tyr Pro Glu Cys Lys Arg Arg Lys Ala Ile Lys Ala Asn Leu  
 35 40 45  
 Arg Ala Pro Lys Lys Ser Asp Ala Asn Cys Ser Glu Pro Leu Arg Tyr  
 50 55 60  
 Ala Leu Ala Glu Thr Pro Asn Gly Tyr Thr Leu Ser Leu Ser Lys Arg  
 65 70 75 80  
 Ile Pro Tyr Glu Leu Phe Ser Lys Tyr Val Asn Glu Lys Leu Gly Glu  
 85 90 95  
 Leu Lys Glu Asn His Tyr Arg Pro Thr Tyr His Val Val Gln Asp Phe  
 100 105 110  
 Phe Gly Asn Gln Tyr Tyr Val Glu Asp Glu Ala Asp Glu Asp Ala Leu  
 115 120 125  
 Leu Arg Ser Ala Leu Lys Asp Leu Asp Phe Arg Ala Ile Gly Lys Lys  
 130 135 140  
 Ile Ala Lys Asp Leu Phe Gln Asp Tyr Glu Ile Glu Leu Asn His Arg  
 145 150 155 160  
 Gly Asp Glu Leu Ser Ile Leu Ser Lys Lys Asp Lys Ile Phe Lys Glu  
 165 170 175  
 Phe Ser Leu Asp Gln Val Phe Glu Asp Val Phe Val Ile Gly Cys Gly  
 180 185 190  
 Val Glu Asn Ile Asp Asp Gly Ser Arg Glu Lys Tyr Ala Leu Leu Lys  
 195 200 205  
 Ile Gly Leu Val Lys His Glu Glu Ile Ser Glu Gly Gly Ile Asn  
 210 215 220  
 Glu Pro Lys Met Pro Ile Ile Glu Ser Lys Ile Asp Glu Ser His Asp  
 225 230 235 240  
 Asp Val Asn Met Ser Glu Ser Leu Lys Glu Glu Glu Ala Glu Lys Ala  
 245 250 255  
 Lys Glu Pro Leu Thr Lys Glu Asp Gln Ile Lys Lys Trp Ile Glu Glu  
 260 265 270  
 Glu Arg Leu Met Gln Glu Glu Ser Arg Lys Ser Glu Gln Glu Lys Ala  
 275 280 285  
 Ala Lys Glu Asp Glu Glu Arg Gln Lys Lys Glu Lys Glu Ala Arg Leu  
 290 295 300

116

Lys Ala Arg Lys Glu Ser Leu Ile Asn Lys Gln Lys Thr Lys Arg Ser  
 305 310 315 320  
 Gln Gln Lys Lys Leu Gln Asn Ser Lys Ser Leu Pro Ile Ser Glu Ile  
 325 330 335  
 Glu Ala Ser Asn Lys Asn Asn Asn Ser Asn Ser Gly Ser Ala Glu Ser  
 340 345 350  
 Asp Asn Glu Ser Ile Asn Ser Asp Ser Asp Thr Thr Leu Asp Phe Ser  
 355 360 365  
 Val Ser Gly Asn Thr Leu Lys Lys His Ala Ser Pro Leu Leu Glu Asp  
 370 375 380  
 Val Glu Asp Glu Glu Val Asp Arg Tyr Asn Glu Ser Leu Ser Arg Ser  
 385 390 395 400  
 Pro Lys Gly Asn Ser Ile Ile Glu Glu Ile  
 405 410

<210> 117  
 <211> 890  
 <212> DNA  
 <213> Candida albicans

<400> 117  
 caaaaaagtt ttcggatgaa ccggattaat acaagtaaaa tcagcaaaga tatagaagac 60  
 aaaataagcg tgaaaaacaat cataaaccac tcacaacggg gggttttcagc tgttactcct 120  
 ccatacatatc atttttgataa agatataatg ttatatattct tttcgtaatt ttgttttact 180  
 tcggtttgct ctatagattt catcagccgc accgaaaagg gagatcaata aggtaccctt 240  
 taaaagggat aagaagccta catcacccca ataaatggag taatggccag cattggatga 300  
 agagaagaat tacgggatac tgggataaca ctgttaaaaa atgcttcgcg acgtgagggg 360  
 cttcttcata taaattgaac tgccaaatct ctttcacatt atccaggata gtttggaatg 420  
 tgtgttactg aaggatcaga atcaataaat acaatcaata caaatattta gcgcataaaa 480  
 ttcaaacaaa gtttactgaa atgaagttag attcaggaat atactcagag gcacaaagag 540  
 ttgtgagaac tccaaagttt agatatatta tgttagggct ggtgggagct gctgtggtac 600  
 cgaccgcata catgaggaga ggctatacgg ttctgcaca tagcttagac aacatcaacg 660  
 gcgtagacac aactaaggcg tctgttatgg gtacagaaca gagagcagct atgacgaagg 720  
 gtaagagttt acaagagatg atggatgatg atgaagtaac gtatttgatg ttcctcttca 780  
 atcatgtaag ggaatttgta cttggttccc tgcatttatg ttctttgcat tttgttttcg 840  
 catttaataca tagtacgaca aacggggaag gggattgtga ttttacataa 890

<210> 118  
 <211> 129  
 <212> PRT  
 <213> Candida albicans

<400> 118  
 Met Lys Leu Asp Ser Gly Ile Tyr Ser Glu Ala Gln Arg Val Val Arg  
 1 5 10 15  
 Thr Pro Lys Phe Arg Tyr Ile Met Leu Gly Leu Val Gly Ala Ala Val



117

20	25	30
Val Pro Thr Ala Tyr Met Arg Arg Gly Tyr Thr Val Pro Ala His Ser		
35	40	45
Leu Asp Asn Ile Asn Gly Val Asp Thr Thr Lys Ala Ser Val Met Gly		
50	55	60
Thr Glu Gln Arg Ala Ala Met Thr Lys Gly Lys Ser Leu Gln Glu Met		
65	70	75
Met Asp Asp Asp Glu Val Thr Tyr Leu Met Phe Leu Phe Asn His Val		
85	90	95
Arg Glu Phe Val Leu Gly Ser Leu His Leu Cys Ser Leu His Phe Val		
100	105	110
Phe Ala Phe Asn His Ser Thr Thr Asn Gly Glu Gly Asp Cys Asp Phe		
115	120	125

Thr

&lt;210&gt; 119

&lt;211&gt; 1418

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 119

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aatctttgcg attgaattgc tgcacgaaca ttaacattag ttcttttgc aaagtttctc 60
caatatctgg aatatcagaa tttagcaagg caatcaaagc ggataaagca gggattagcc 120
tgccattctg tttgttcaga gtaaaatcca caacattttt acaaattatg ttgcggccaa 180
taagtatatt gacttgaaat aagtctctgt gcgattcctg taagttgtcc attgttaa 240
tggatattat gggtgaaacg tgtgacctta tcatttccca gttttctctc tgaaatttaa 300
tgtcttcac cttgtatggta gcggtagaca tgctggtttg tagccttttt attccttttt 360
aggtttctta ctcaaatgc caaaataaat atcagtgtaa tataattttt caagagtacg 420
taatggaaaa agataaaaaat aaggaccgtc ataaaaagag acgtgattaa acctaaaaat 480
ctaaagtaaa gaagtgtgag atgggtgagg aaaattccag agttttgatt gttcttcctt 540
atacaccgcc tagtgctact ttgcagagga ttatagggca aactattccg ttcttaagag 600
aatgtcaaag tcaactagac atcgtgattg tacctgaatt caaaacctca ttccagttgg 660
attctgcgct aggggaagatg tacagtatta ccagggatgt ctttttgggc tatggaatga 720
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ggaaagtggg tttatttgcca caggaatcca cttttgaaac ttggaagcta gagttgggac 840
aaggacaata ccatagtata gaacattatg cattacacga taatataatg gaagagatag 900
aagggtccaa agatgctaac aaatttcatg tcaccgcatt gggcggaacg ttcgaccaca 960
ttcacgatgg acataaaaata ttgttgagcg tctctacatt catcacgtca caaagggttaa 1020
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ccgtagaact agttccctta agggacgtgt gcggcccccac agggaaagta cccgagatag 1200
aatgttttagt tgtgagtaga gaaaccgtca gtggggcaga gactgtgaat aagactagga 1260
ttgaaaaagg catgagccca ttggcagtac atgtggttaa tgtacttga ggaagggagg 1320
aagacggctg gagcgagaag ttaagcagca cggaaatcag acgcctactt aagtcctctg 1380
cttcgccaac gtgcactcca caaaaccctt gcgtataa 1418

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118

&lt;210&gt; 120

&lt;211&gt; 305

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 120

Met Val Glu Glu Asn Ser Arg Val Leu Ile Val Leu Pro Tyr Thr Pro  
 1 5 10 15

Pro Ser Ala Thr Leu Gln Arg Ile Ile Gly Gln Thr Ile Pro Phe Leu  
 20 25 30

Arg Glu Cys Gln Ser Gln Leu Asp Ile Val Ile Val Pro Glu Phe Lys  
 35 40 45

Thr Ser Phe Gln Leu Asp Ser Ala Leu Gly Lys Met Tyr Ser Ile Thr  
 50 55 60

Arg Asp Val Leu Leu Gly Tyr Gly Met Ile Asn Ser Gly Ile Asn Ile  
 65 70 75 80

Ile Phe Asn Asn Ile His Phe Val Glu Ser Asn Leu Gln Trp Lys Val  
 85 90 95

Val Leu Leu Pro Gln Glu Ser Thr Phe Glu Thr Trp Lys Leu Glu Leu  
 100 105 110

Gly Gln Gly Gln Tyr His Ser Ile Glu His Tyr Ala Leu His Asp Asn  
 115 120 125

Ile Met Glu Glu Ile Glu Gly Pro Lys Asp Ala Asn Lys Phe His Val  
 130 135 140

Thr Ala Leu Gly Gly Thr Phe Asp His Ile His Asp Gly His Lys Ile  
 145 150 155 160

Leu Leu Ser Val Ser Thr Phe Ile Thr Ser Gln Arg Leu Ile Cys Gly  
 165 170 175

Ile Thr Cys Asp Glu Leu Leu Gln Asn Lys Lys Tyr Lys Glu Leu Ile  
 180 185 190

Glu Pro Tyr Asp Thr Arg Cys Arg His Val His Gln Phe Ile Lys Leu  
 195 200 205

Leu Lys Pro Asp Leu Ser Val Glu Leu Val Pro Leu Arg Asp Val Cys  
 210 215 220

Gly Pro Thr Gly Lys Val Pro Glu Ile Glu Cys Leu Val Val Ser Arg  
 225 230 235 240

Glu Thr Val Ser Gly Ala Glu Thr Val Asn Lys Thr Arg Ile Glu Lys  
 245 250 255

Gly Met Ser Pro Leu Ala Val His Val Val Asn Val Leu Gly Gly Arg  
 260 265 270

119

Glu Glu Asp Gly Trp Ser Glu Lys Leu Ser Ser Thr Glu Ile Arg Arg  
 275 280 285

Leu Leu Lys Ser Ser Ala Ser Pro Thr Cys Thr Pro Gln Asn Pro Cys  
 290 295 300

Val  
 305

<210> 121  
 <211> 1433  
 <212> DNA  
 <213> Candida albicans

<400> 121  
 agagagccat ccgtaactct gctaaggaag ctgactactt tggatgatgct gacaaggcca 60  
 ccacgattga cgaacaagtt gggttgatcg ttgacagttt gaatgacgaa gagttagtgt 120  
 ccaccgccga taagatcaag gccaatgctg ctggtgccaa ggaagttttg aaggaatctg 180  
 caaagactat tgtcgattct ggcaaaactac catccagctt gttgtcctac ttcgtgtgaa 240  
 taccgtaaga aatggaatag aatatatacg aatgtatacg aatattatag agaacgttct 300  
 cttttatttc tataatgaat aggttcgggt aacggttccc tttttaggta tttctagaag 360  
 atgagagaag agggaataat gagaaaggcg aaaaataaag gacaccttta acgaaagatc 420  
 aaagggtgtcc ttattttactt acaatagctg caatttagtac gactcaaaaa aagtgaatac 480  
 aaaactgaaa ggatagatca atgtcttaca gaggacctat tggaaatttt gccggtatgc 540  
 caatgtcatc atcgcaagga ccatactctg gcggtgcaca attcagatca aaccagaacc 600  
 aatccacttc tggcatctta aagcaatgga agcattcttt tgaaaagttt gcctccagaa 660  
 ttgaggggct cactgacaat gcagttgttt ataaattgaa gccttacatt ccaagtttgt 720  
 caagattttt cattgtggcc accttttatg aagattcggt taggatctta tcacaatggt 780  
 cagatcaaat tttttatctg aataagtgga agcattaccc atacttcttt gtcgttgtgt 840  
 ttctagtggg tgttaccgtt tccatgttga ttggcgccag tttgttagtt ttaagaaagc 900  
 aaaccaatta tgccaccggt gtgttatgtg cttgcgttat ttctcaagca ttagtttatg 960  
 ggttggttac gggttcatca tttgtcctaa gaaacttttag tgttattggt ggggttgtaa 1020  
 ttgcattcag cgattcaatt gttcaaaaca agacaacatt cggtatgctt cctgaattaa 1080  
 acagcaaaaa cgacaaagcg aagggttacc tgttggttgc tggtagaatt ttaattgttt 1140  
 taatgtttat cgctttcact ttcagtaaat catggtttac tgttggtttg accattatcg 1200  
 gcacaatatg tttcgccatt ggttacaaga caaaattcgc atccattatg ttgggtttga 1260  
 tactaacttt ttacaatatc acgctaaaca actactggtt ttataacaat actaagagag 1320  
 atttcttgaa gtatgagttt taccagaact taagcatcat tgggtgggctt ctattagtta 1380  
 ctaatactgg cgctggtgaa ttatccgttg atgaaaagaa gaagatttac tag 1433

<210> 122  
 <211> 310  
 <212> PRT  
 <213> Candida albicans

<400> 122  
 Met Ser Tyr Arg Gly Pro Ile Gly Asn Phe Gly Gly Met Pro Met Ser  
 , 1 5 10 15  
 Ser Ser Gln Gly Pro Tyr Ser Gly Gly Ala Gln Phe Arg Ser Asn Gln  
 20 25 30  
 Asn Gln Ser Thr Ser Gly Ile Leu Lys Gln Trp Lys His Ser Phe Glu  
 35 40 45

Lys Phe Ala Ser Arg Ile Glu Gly Leu Thr Asp Asn Ala Val Val Tyr  
 50 55 60  
 Lys Leu Lys Pro Tyr Ile Pro Ser Leu Ser Arg Phe Phe Ile Val Ala  
 65 70 75 80  
 Thr Phe Tyr Glu Asp Ser Phe Arg Ile Leu Ser Gln Trp Ser Asp Gln  
 85 90 95  
 Ile Phe Tyr Leu Asn Lys Trp Lys His Tyr Pro Tyr Phe Phe Val Val  
 100 105 110  
 Val Phe Leu Val Val Val Thr Val Ser Met Leu Ile Gly Ala Ser Leu  
 115 120 125  
 Leu Val Leu Arg Lys Gln Thr Asn Tyr Ala Thr Gly Val Leu Cys Ala  
 130 135 140  
 Cys Val Ile Ser Gln Ala Leu Val Tyr Gly Leu Phe Thr Gly Ser Ser  
 145 150 155 160  
 Phe Val Leu Arg Asn Phe Ser Val Ile Gly Gly Leu Leu Ile Ala Phe  
 165 170 175  
 Ser Asp Ser Ile Val Gln Asn Lys Thr Thr Phe Gly Met Leu Pro Glu  
 180 185 190  
 Leu Asn Ser Lys Asn Asp Lys Ala Lys Gly Tyr Leu Leu Phe Ala Gly  
 195 200 205  
 Arg Ile Leu Ile Val Leu Met Phe Ile Ala Phe Thr Phe Ser Lys Ser  
 210 215 220  
 Trp Phe Thr Val Val Leu Thr Ile Ile Gly Thr Ile Cys Phe Ala Ile  
 225 230 235 240  
 Gly Tyr Lys Thr Lys Phe Ala Ser Ile Met Leu Gly Leu Ile Leu Thr  
 245 250 255  
 Phe Tyr Asn Ile Thr Leu Asn Asn Tyr Trp Phe Tyr Asn Asn Thr Lys  
 260 265 270  
 Arg Asp Phe Leu Lys Tyr Glu Phe Tyr Gln Asn Leu Ser Ile Ile Gly  
 275 280 285  
 Gly Leu Leu Leu Val Thr Asn Thr Gly Ala Gly Glu Leu Ser Val Asp  
 290 295 300  
 Glu Lys Lys Lys Ile Tyr  
 305 310

&lt;210&gt; 123

&lt;211&gt; 1802

&lt;212&gt; DNA

<213> *Candida albicans*

&lt;400&gt; 123

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&lt;210&gt; 124

&lt;211&gt; 433

&lt;212&gt; PRT

<213> *Candida albicans*

&lt;400&gt; 124

```

Met Phe Ser Leu Pro Thr Leu Thr Ser Asp Ile Thr Val Glu Val Asn
  1                      5                      10                      15

Ser Ser Ala Thr Lys Thr Pro Phe Val Arg Arg Pro Val Glu Pro Val
          20                      25                      30

Gly Lys Phe Phe Leu Gln His Ala Gln Arg Thr Leu Arg Asn His Thr
    35                      40                      45

Trp Ser Glu Phe Glu Arg Ile Glu Ala Glu Lys Asn Val Lys Thr Val
    50                      55                      60

Asp Glu Ser Asn Val Asp Pro Asp Glu Leu Leu Phe Asp Thr Glu Leu
    65                      70                      75                      80

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Ala	Asp	Glu	Asp	Leu	Leu	Thr	His	Asp	Ala	Arg	Asp	Trp	Lys	Thr	Ala	85	90	95
Asp	Leu	Tyr	Ala	Ala	Met	Gly	Leu	Ser	Lys	Leu	Arg	Phe	Arg	Ala	Thr	100	105	110
Glu	Ser	Gln	Ile	Ile	Lys	Ala	His	Arg	Lys	Gln	Val	Val	Lys	Tyr	His	115	120	125
Pro	Asp	Lys	Gln	Ser	Ala	Ala	Gly	Gly	Ser	Leu	Asp	Gln	Asp	Gly	Phe	130	135	140
Phe	Lys	Ile	Ile	Gln	Lys	Ala	Phe	Glu	Thr	Leu	Thr	Asp	Ser	Asn	Lys	145	150	155
Arg	Ala	Gln	Tyr	Asp	Ser	Cys	Asp	Phe	Val	Ala	Asp	Val	Pro	Pro	Pro	165	170	175
Lys	Lys	Gly	Thr	Asp	Tyr	Asp	Phe	Tyr	Glu	Ala	Trp	Gly	Pro	Val	Phe	180	185	190
Glu	Ala	Glu	Ala	Arg	Phe	Ser	Lys	Lys	Thr	Pro	Ile	Pro	Ser	Leu	Gly	195	200	205
Asn	Lys	Asp	Ser	Ser	Lys	Lys	Glu	Val	Glu	Gln	Phe	Tyr	Ala	Phe	Trp	210	215	220
His	Arg	Phe	Asp	Ser	Trp	Arg	Thr	Phe	Glu	Phe	Leu	Asp	Glu	Asp	Val	225	230	235
Pro	Asp	Asp	Ser	Ser	Asn	Arg	Asp	His	Lys	Arg	Tyr	Ile	Glu	Arg	Lys	245	250	255
Asn	Lys	Ala	Ala	Arg	Asp	Lys	Lys	Lys	Thr	Ala	Asp	Asn	Ala	Arg	Leu	260	265	270
Val	Lys	Leu	Val	Glu	Arg	Ala	Val	Ser	Glu	Asp	Pro	Arg	Ile	Lys	Met	275	280	285
Phe	Lys	Glu	Glu	Glu	Lys	Lys	Glu	Lys	Glu	Arg	Arg	Lys	Trp	Glu	Arg	290	295	300
Glu	Ala	Gly	Ala	Arg	Ala	Glu	Ala	Glu	Ala	Lys	Ala	Lys	Ala	Glu	Ala	305	310	315
Glu	Ala	Lys	Ala	Lys	Ala	Glu	Ser	Glu	Ala	Lys	Ala	Asn	Ala	Ser	Ala	325	330	335
Lys	Ala	Asp	Lys	Lys	Lys	Ala	Lys	Glu	Ala	Ala	Lys	Ala	Ala	Lys	Lys	340	345	350
Lys	Asn	Lys	Arg	Ala	Ile	Arg	Asn	Ser	Ala	Lys	Glu	Ala	Asp	Tyr	Phe	355	360	365
Gly	Asp	Ala	Asp	Lys	Ala	Thr	Thr	Ile	Asp	Glu	Gln	Val	Gly	Leu	Ile	370	375	380

123

Val Asp Ser Leu Asn Asp Glu Glu Leu Val Ser Thr Ala Asp Lys Ile  
 385 390 395 400

Lys Ala Asn Ala Ala Gly Ala Lys Glu Val Leu Lys Glu Ser Ala Lys  
 405 410 415

Thr Ile Val Asp Ser Gly Lys Leu Pro Ser Ser Leu Leu Ser Tyr Phe  
 420 425 430

Val

&lt;210&gt; 125

&lt;211&gt; 1472

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 125

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accaatgggt cttctctaag ttgagatttt aa 1472

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&lt;210&gt; 126

&lt;211&gt; 136

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 126

Met Ala Lys Phe Leu Lys Ala Gly Lys Val Ala Val Val Val Arg Gly  
 1 5 10 15

Arg Tyr Ala Gly Lys Lys Val Val Ile Val Lys Pro His Asp Glu Gly

20	25	30
Ser Lys Ser His Pro Phe Gly His Ala Leu Val Ala Gly Ile Glu Arg		
35	40	45
Tyr Pro Leu Lys Val Thr Lys Lys His Gly Ala Lys Lys Val Ala Lys		
50	55	60
Arg Thr Lys Ile Lys Pro Phe Ile Lys Val Val Asn Tyr Asn His Leu		
65	70	75
Leu Pro Thr Arg Tyr Thr Leu Asp Val Glu Ala Phe Lys Ser Val Val		
85	90	95
Ser Thr Glu Thr Phe Glu Gln Pro Ser Gln Arg Glu Glu Ala Lys Lys		
100	105	110
Val Val Lys Lys Ala Phe Glu Glu Arg His Gln Ala Gly Lys Asn Gln		
115	120	125
Trp Phe Phe Ser Lys Leu Arg Phe		
130	135	

&lt;210&gt; 127

&lt;211&gt; 1299

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 127

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&lt;210&gt; 128

&lt;211&gt; 82



125

&lt;212&gt; PRT

<213> *Candida albicans*

&lt;400&gt; 128

Met Val Leu Val Gln Asp Leu Leu His Pro Thr Ala Ala Ser Glu Ala  
 1 5 10 15

Arg Lys His Lys Leu Lys Thr Leu Val Gln Gly Pro Arg Ser Tyr Phe  
 20 25 30

Leu Asp Val Lys Cys Pro Gly Cys Leu Asn Ile Thr Thr Val Phe Ser  
 35 40 45

His Ala Gln Thr Ala Val Thr Cys Glu Ser Cys Ser Thr Val Leu Cys  
 50 55 60

Thr Pro Thr Gly Gly Lys Ala Lys Leu Ser Glu Gly Thr Ser Phe Arg  
 65 70 75 80

Arg Lys

&lt;210&gt; 129

&lt;211&gt; 1262

&lt;212&gt; DNA

<213> *Candida albicans*

&lt;400&gt; 129

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ga						1262

&lt;210&gt; 130

&lt;211&gt; 106

&lt;212&gt; PRT

126

<213> *Candida albicans*

&lt;400&gt; 130

Met Val Asn Val Pro Lys Thr Arg Lys Thr Tyr Cys Lys Gly Lys Thr  
 1 5 10 15  
 Cys Arg Lys His Thr Gln His Lys Val Thr Gln Tyr Lys Ala Gly Lys  
 20 25 30  
 Ala Ser Leu Phe Ala Gln Gly Lys Arg Arg Tyr Asp Arg Lys Gln Ser  
 35 40 45  
 Gly Phe Gly Gly Gln Thr Lys Pro Val Phe His Lys Lys Ala Lys Thr  
 50 55 60  
 Thr Lys Lys Val Val Leu Arg Leu Glu Cys Val Lys Cys Lys Thr Arg  
 65 70 75 80  
 Ala Gln Leu Thr Leu Lys Arg Cys Lys His Phe Glu Leu Gly Gly Glu  
 85 90 95  
 Lys Lys Gln Lys Gly Gln Ala Leu Gln Phe  
 100 105

&lt;210&gt; 131

&lt;211&gt; 962

&lt;212&gt; DNA

<213> *Candida albicans*

&lt;400&gt; 131

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 aa 962

&lt;210&gt; 132

&lt;211&gt; 153

&lt;212&gt; PRT

<213> *Candida albicans*

&lt;400&gt; 132

Met Ser Leu Arg Pro Cys Leu Thr Pro Ser Ser Met Gln Tyr Ser Asp  
 1 5 10 15  
 Ile Tyr Ile His Thr Pro His Pro His Pro His Pro His Pro His Thr  
 20 25 30  
 Pro Thr His Thr His Pro His Thr Pro Thr Pro Thr Pro His Pro His  
 35 40 45  
 Pro His Thr Pro His Pro His Thr Thr Pro Thr Pro Thr Pro His His  
 50 55 60  
 Thr His Thr Pro His Thr Thr Leu Ser Asn Leu Ser Leu Asn Leu Pro  
 65 70 75 80  
 Ser His Tyr Pro Thr Ser Pro Leu Val Thr Leu Pro His Ser Thr Ile  
 85 90 95  
 Pro Leu Pro Thr Thr Ile His Leu Ser Thr Tyr Tyr Tyr His Pro Pro  
 100 105 110  
 Pro Ile Ile Thr Val Thr Leu Gln Leu Pro Ile Ser Asn Ser Thr Thr  
 115 120 125  
 Ile Thr Leu Leu Leu Pro Tyr His Pro Pro Cys Pro Thr His Cys Thr  
 130 135 140  
 Val Val Leu Pro Ser Ile Leu Lys Arg  
 145 150

<210> 133  
 <211> 3752  
 <212> DNA  
 <213> Candida albicans

<400> 133  
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&lt;211&gt; 1083

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 134

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30

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Val	Glu	Ile	Ser	Lys	Ile	His	Glu	Glu	Thr	Ala	Ala	Glu	Arg	Glu	Ala	
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<211> 4883

<212> .DNA

<213> Candida albicans

<400> 135

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134

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&lt;211&gt; 1460

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 136

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 Asn Asp Leu Thr Asp Ser Thr Val Glu Gln Thr Ser Ser Thr Arg Leu  
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 Pro Glu Thr Pro Ser Asp Glu Asp Gly Glu Val Val Glu Glu Glu Ala  
 805 810 815  
 Gln Lys Ser Pro Ile Gly Lys Leu Thr Glu Thr Ile Lys Lys Ser Ala  
 820 825 830  
 Asn Ile Asp Met Ala Gly Leu Lys Asn Pro Val Phe Gly Asn His Val  
 835 840 845

Lys Ala Lys Ser Glu Ser Pro Phe Ser Ala Phe Ala Thr Asn Ile Thr  
 850 855 860  
 Lys Pro Ser Ser Thr Thr Pro Ala Phe Ser Phe Gly Asn Ser Thr Met  
 865 870 875 880  
 Asn Lys Ser Asn Thr Ser Thr Val Ser Pro Met Glu Glu Ala Asp Thr  
 885 890 895  
 Lys Glu Thr Ser Glu Lys Gly Pro Ile Thr Leu Lys Ser Val Glu Asn  
 900 905 910  
 Pro Phe Leu Pro Ala Lys Glu Glu Arg Thr Gly Glu Ser Ser Lys Lys  
 915 920 925  
 Asp His Asn Asp Asp Pro Lys Asp Gly Tyr Val Ser Gly Ser Glu Ile  
 930 935 940  
 Ser Val Arg Thr Ser Glu Ser Ala Phe Asp Thr Thr Ala Asn Glu Glu  
 945 950 955 960  
 Ile Pro Lys Ser Gln Asp Val Asn Asn His Glu Lys Ser Glu Thr Asp  
 965 970 975  
 Pro Lys Tyr Ser Gln His Ala Val Val Asp His Asp Asn Lys Ser Lys  
 980 985 990  
 Glu Met Asn Glu Thr Ser Lys Asn Asn Glu Arg Ser Gly Gln Pro Asn  
 995 1000 1005  
 His Gly Val Gln Gly Asp Gly Ile Ala Leu Lys Lys Asp Asn Glu Lys  
 1010 1015 1020  
 Glu Asn Phe Asp Ser Asn Met Ala Ile Lys Gln Phe Glu Asp His Gln  
 1025 1030 1035 1040  
 Ser Ser Glu Glu Asp Ala Ser Glu Lys Asp Ser Arg Gln Ser Ser Glu  
 1045 1050 1055  
 Val Lys Glu Ser Asp Asp Asn Met Ser Leu Asn Ser Asp Arg Asp Glu  
 1060 1065 1070  
 Ser Ile Ser Glu Ser Tyr Asp Lys Leu Glu Asp Ile Asn Thr Asp Glu  
 1075 1080 1085  
 Leu Pro His Gly Gly Glu Ala Phe Lys Ala Arg Glu Val Ser Ala Ser  
 1090 1095 1100  
 Ala Asp Phe Asp Val Gln Thr Ser Leu Glu Asp Asn Tyr Ala Glu Ser  
 1105 1110 1115 1120  
 Gly Ile Gln Thr Asp Leu Ser Glu Ser Ser Lys Glu Asn Glu Val Gln  
 1125 1130 1135  
 Thr Asp Ala Ile Pro Val Lys His Asn Ser Thr Gln Thr Val Lys Lys  
 1140 1145 1150

Glu Ala Val Asp Asn Gly Leu Gln Thr Glu Pro Val Glu Thr Cys Asn  
 1155 1160 1165  
 Phe Ser Val Gln Thr Phe Glu Gly Asp Glu Asn Tyr Leu Ala Glu Gln  
 1170 1175 1180  
 Cys Lys Pro Lys Gln Leu Lys Glu Tyr Tyr Thr Ser Ala Lys Val Ser  
 1185 1190 1195 1200  
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 Thr Phe Gln Thr Val Glu Ala Glu Phe Thr Val Leu Met Glu Asn Ile  
 1220 1225 1230  
 Arg Asn Met Asp Thr Phe Phe Thr Asp Gln Ser Ser Ile Pro Leu Val  
 1235 1240 1245  
 Lys Arg Thr Val Arg Ser Ile Asn Asn Leu Tyr Thr Trp Arg Ile Pro  
 1250 1255 1260  
 Glu Ala Glu Ile Leu Leu Asn Ile Gln Asn Asn Ile Lys Cys Glu Gln  
 1265 1270 1275 1280  
 Met Gln Ile Thr Asn Ala Asn Ile Gln Asp Leu Lys Glu Lys Val Thr  
 1285 1290 1295  
 Asp Tyr Val Arg Lys Asp Ile Ala Gln Ile Thr Glu Asp Val Ala Asn  
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 Ala Lys Glu Glu Tyr Leu Phe Leu Met His Phe Asp Asp Ala Ser Ser  
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 Gly Tyr Val Lys Asp Leu Ser Thr His Gln Phe Arg Met Gln Lys Thr  
 1330 1335 1340  
 Leu Arg Gln Lys Leu Phe Asp Val Ser Ala Lys Ile Asn His Thr Glu  
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 Glu Leu Leu Asn Ile Leu Lys Leu Phe Thr Val Lys Asn Lys Arg Leu  
 1365 1370 1375  
 Asp Asp Asn Pro Leu Val Ala Lys Leu Ala Lys Glu Ser Leu Ala Arg  
 1380 1385 1390  
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 1395 1400 1405  
 Leu Gln Leu Glu Glu Lys Gly Lys Lys Ala Ser Ser Phe Asp Ala Ser  
 1410 1415 1420  
 Ser Ser Ile Thr Lys Asp Met Lys Gly Phe Lys Val Val Glu Val Gly  
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Asn Met Ala Lys  
1460

<210> 137  
<211> 1321  
<212> DNA  
<213> *Candida albicans*

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aaattaaagg tagttgaatc tctatttgtt gttgttatta ccgcttatta tcccatagtt 480  
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<210> 138  
<211> 128  
<212> PRT  
<213> *Candida albicans*

<400> 138  
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Lys Glu Gly Ile Pro Pro Asp Gln Gln Arg Leu Ile Phe Ala Gly Lys  
35 40 45  
Gln Leu Glu Asp Gly Arg Thr Leu Ser Asp Tyr Asn Ile Gln Lys Glu  
50 55 60  
Ser Thr Leu His Leu Val Leu Arg Leu Arg Gly Gly Ile Ile Glu Pro  
65 70 75 80

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gatcaagctt	ccaacgagtg	atgtaatat	aaacaatgta	attataataa	tatgaaacat	240	
ctacatactt	taaatgtcac	taatgtcatt	acagaggaca	taaaagtgatt	tatgacacat	300	
cgcgtactagt	agttaagtat	gaacaatttt	tgggtttatt	tgccattttt	tttcacgcgg	360	
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<210> 140  
 <211> 571  
 <212> PRT  
 <213> Candida albicans

<400> 140

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		20						25					30		
Met	Glu	Arg	Lys	Arg	Gln	Ala	Leu	Val	Glu	Arg	Leu	Lys	Arg	Lys	Gln
		35					40					45			
Glu	Phe	Lys	Lys	Pro	Gln	Asp	Pro	Asn	Phe	Glu	Ala	Ile	Glu	Val	Pro
	50					55					60				
Gln	Ser	Pro	Thr	Lys	Asn	Arg	Val	Lys	Val	Gly	Ser	His	Asn	Ala	Thr
65					70					75					80
Gln	Gln	Gly	Thr	Lys	Phe	Glu	Gly	Ser	Asn	Ile	Asn	Glu	Val	Arg	Leu
				85					90					95	
Ser	Gln	Leu	Gln	Gln	Gln	Pro	Lys	Pro	Pro	Ala	Ser	Thr	Thr	Thr	Tyr
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	130					135					140				
Asp	Glu	Lys	Lys	Tyr	Val	Pro	Ile	Ile	Thr	Asn	Glu	Leu	Glu	Ser	Phe
145					150					155					160
Ser	Asn	Leu	Trp	Val	Lys	Lys	Arg	Tyr	Ile	Pro	Glu	Asp	Asp	Leu	Lys
				165					170					175	
Arg	Ala	Leu	His	Glu	Ile	Lys	Ile	Leu	Arg	Leu	Gly	Lys	Leu	Phe	Ala
			180					185					190		
Lys	Ile	Arg	Pro	Pro	Lys	Phe	Gln	Glu	Pro	Glu	Tyr	Ala	Asn	Trp	Ala
		195					200					205			
Thr	Val	Gly	Leu	Ile	Ser	His	Lys	Ser	Asp	Ile	Lys	Phe	Thr	Ser	Ser
	210					215					220				
Glu	Lys	Pro	Val	Lys	Phe	Phe	Met	Phe	Thr	Ile	Thr	Asp	Phe	Gln	His
225					230					235					240
Thr	Leu	Asp	Val	Tyr	Ile	Phe	Gly	Lys	Lys	Gly	Val	Glu	Arg	Tyr	Tyr
				245					250					255	
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260					265					270					
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Asp	Leu	Gly	Trp	Cys	Pro	Ile	Val	Asn	Lys	Lys	Thr	His	Lys	Lys	Cys
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Gly	Ser	Pro	Ile	Asn	Ile	Ser	Leu	His	Lys	Cys	Cys	Asp	Tyr	His	Arg
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Glu	Val	Gln	Phe	Arg	Gly	Thr	Ser	Ala	Lys	Arg	Ile	Glu	Leu	Asn	Gly
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Gly	Tyr	Ala	Leu	Gly	Ala	Pro	Thr	Lys	Val	Asp	Ser	Gln	Pro	Ser	Leu
	355					360						365			
Tyr	Lys	Ala	Lys	Gly	Glu	Asn	Gly	Phe	Asn	Ile	Ile	Lys	Gly	Thr	Arg
	370					375					380				
Lys	Arg	Leu	Ser	Glu	Glu	Glu	Glu	Arg	Leu	Lys	Lys	Ser	Ser	His	Asn
385					390					395					400
Phe	Thr	Asn	Ser	Asn	Ser	Ala	Lys	Ala	Phe	Phe	Asp	Glu	Lys	Phe	Gln
			405						410					415	
Asn	Pro	Asp	Met	Leu	Ala	Asn	Leu	Asp	Asn	Lys	Arg	Arg	Lys	Ile	Ile
			420					425					430		
Glu	Thr	Lys	Lys	Ser	Thr	Ala	Leu	Ser	Arg	Glu	Leu	Gly	Lys	Ile	Met
	435					440					445				
Arg	Arg	Arg	Glu	Ser	Ser	Gly	Leu	Glu	Asp	Lys	Ser	Val	Gly	Glu	Arg
	450					455					460				
Gln	Lys	Met	Lys	Arg	Thr	Thr	Glu	Ser	Ala	Leu	Gln	Thr	Gly	Leu	Ile
465					470					475					480
Gln	Arg	Leu	Gly	Phe	Asp	Pro	Thr	His	Gly	Lys	Ile	Ser	Gln	Val	Leu
			485						490				495		
Lys	Ser	Ser	Val	Ser	Gly	Ser	Glu	Pro	Lys	Asn	Asn	Leu	Leu	Gly	Lys
			500					505					510		
Lys	Lys	Thr	Val	Ile	Asn	Asp	Leu	Leu	His	Tyr	Lys	Lys	Glu	Lys	Val
		515					520					525			
Ile	Leu	Ala	Pro	Ser	Lys	Asn	Glu	Trp	Phe	Lys	Lys	Arg	Ser	His	Arg
	530					535					540				
Glu	Glu	Val	Trp	Gln	Lys	His	Phe	Gly	Ser	Lys	Glu	Thr	Lys	Glu	Thr
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Ser	Asp	Gly	Ser	Ala	Ser	Asp	Leu	Glu	Ile	Ile					

143

565

570

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 <211> 1133  
 <212> DNA  
 <213> *Candida albicans*

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 ttgctgtatt ttctagctct gggggaaatg ctgggttagc agcagcaact gcctgcagat 360  
 cgatggcact taattgcagt gtagtgggtc ctaaaactac aaaacctaga atggtaaaga 420  
 aaattcaaag tgcaggagcc aaagtcatta tccatgggtga tcattggggg gaagcagatg 480  
 aatacttgag gcacgaatga atggcgcaag aaagccaaca tgggttcgaag acactatatg 540  
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<210> 142  
 <211> 210  
 <212> PRT  
 <213> *Candida albicans*

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 Ile Ile Glu Gln Leu Lys Glu Asn Asp Ile Ser Leu Pro Arg Val Lys  
 35 40 45  
 Ala Leu Val Cys Ser Val Gly Gly Gly Gly Leu Phe Ser Gly Ile Ile  
 50 55 60  
 Lys Gly Leu Asp Arg Asn Gln Leu Ala Glu Lys Ile Pro Val Val Ala  
 65 70 75 80  
 Val Glu Thr Ala Gly Cys Asp Val Leu Asn Lys Ser Leu Lys Lys Gly  
 85 90 95  
 Ser Pro Val Thr Leu Glu Lys Leu Thr Ser Val Ala Thr Ser Leu Ala  
 100 105 110

Ser Pro Tyr Ile Ala Ser Phe Ala Phe Glu Ser Phe Asn Lys Tyr Gly  
 115 120 125

Cys Lys Ser Val Val Leu Ser Asp Gln Asp Val Leu Ala Thr Cys Leu  
 130 135 140

Arg Tyr Ala Asp Asp Tyr Asn Phe Ile Val Glu Pro Ala Cys Gly Ala  
 145 150 155 160

Ser Leu His Leu Cys Tyr His Pro Glu Ile Leu Glu Asp Ile Leu Glu  
 165 170 175

Gln Lys Ile Tyr Glu Asp Asp Ile Val Ile Ile Ala Cys Gly Gly  
 180 185 190

Ser Cys Met Thr Tyr Glu Asp Leu Val Lys Ala Ser Ser Thr Leu Asn  
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Val Ser  
 210

<210> 143

<211> 2549

<212> DNA

<213> Candida albicans

<400> 143

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<210> 144

<211> 682

<212> PRT

<213> Candida albicans

<400> 144

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Val Val Leu Tyr Ala Leu Phe Val Val Ile Leu Pro Leu Gln Asn Ser
      20             25             30

Phe His Ser Ser Asn Val Leu Val Arg Gly Ala Asp Asp Val Glu Asn
      35             40             45

Tyr Gly Thr Val Ile Gly Ile Asp Leu Gly Thr Thr Tyr Ser Cys Val
      50             55             60

Ala Val Met Lys Asn Gly Lys Thr Glu Ile Leu Ala Asn Glu Gln Gly
      65             70             75             80

Asn Arg Ile Thr Pro Ser Tyr Val Ala Phe Thr Asp Asp Glu Arg Leu
      85             90             95

Ile Gly Asp Ala Ala Lys Asn Gln Val Ala Ala Asn Pro Gln Asn Thr
      100            105            110

Ile Phe Asp Ile Lys Arg Leu Ile Gly Leu Lys Tyr Asn Asp Arg Ser
      115            120            125

Val Gln Lys Asp Ile Lys His Leu Pro Phe Asn Val Val Asn Lys Asp
      130            135            140

Gly Lys Pro Ala Val Glu Val Ser Val Lys Gly Glu Lys Lys Val Phe
      145            150            155            160

Thr Pro Glu Glu Ile Ser Gly Met Ile Leu Gly Lys Met Lys Gln Ile
      165            170            175

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Ala Glu Asp Tyr Leu Gly Thr Lys Val Thr His Ala Val Val Thr Val  
 180 185 190  
 Pro Ala Tyr Phe Asn Asp Ala Gln Arg Gln Ala Thr Lys Asp Ala Gly  
 195 200 205  
 Thr Ile Ala Gly Leu Asn Val Leu Arg Ile Val Asn Glu Pro Thr Ala  
 210 215 220  
 Ala Ala Ile Ala Tyr Gly Leu Asp Lys Ser Asp Lys Glu His Gln Ile  
 225 230 235 240  
 Ile Val Tyr Asp Leu Gly Gly Gly Thr Phe Asp Val Ser Leu Leu Ser  
 245 250 255  
 Ile Glu Asn Gly Val Phe Glu Val Gln Ala Thr Ser Gly Asp Thr His  
 260 265 270  
 Leu Gly Gly Glu Asp Phe Asp Tyr Lys Ile Val Arg Gln Leu Ile Lys  
 275 280 285  
 Ala Phe Lys Lys Lys His Gly Ile Asp Val Ser Asp Asn Asn Lys Ala  
 290 295 300  
 Leu Ala Lys Leu Lys Arg Glu Ala Glu Lys Ala Lys Arg Ala Leu Ser  
 305 310 315 320  
 Ser Gln Met Ser Thr Arg Ile Glu Ile Asp Ser Phe Val Asp Gly Ile  
 325 330 335  
 Asp Leu Ser Glu Thr Leu Thr Arg Ala Lys Phe Glu Glu Leu Asn Leu  
 340 345 350  
 Asp Leu Phe Lys Lys Thr Leu Lys Pro Val Glu Lys Val Leu Gln Asp  
 355 360 365  
 Ser Gly Leu Glu Lys Lys Asp Val Asp Asp Ile Val Leu Val Gly Gly  
 370 375 380  
 Ser Thr Arg Ile Pro Lys Val Gln Gln Leu Leu Glu Ser Tyr Phe Asp  
 385 390 395 400  
 Gly Lys Lys Ala Ser Lys Gly Ile Asn Pro Asp Glu Ala Val Ala Tyr  
 405 410 415  
 Gly Ala Ala Val Gln Ala Gly Val Leu Ser Gly Glu Glu Gly Val Glu  
 420 425 430  
 Asp Ile Val Leu Leu Asp Val Asn Ala Leu Thr Leu Gly Ile Glu Thr  
 435 440 445  
 Thr Gly Gly Val Met Thr Pro Leu Ile Lys Arg Asn Thr Ala Ile Pro  
 450 455 460  
 Thr Lys Lys Ser Gln Ile Phe Ser Thr Ala Val Asp Asn Gln Pro Thr  
 465 470 475 480

Val Met Ile Lys Val Tyr Glu Gly Glu Arg Ala Met Ser Lys Asp Asn  
                     485                    490                    495  
 Asn Leu Leu Gly Lys Phe Glu Leu Thr Gly Ile Pro Pro Ala Pro Arg  
                     500                    505                    510  
 Gly Val Pro Gln Ile Glu Val Thr Phe Ala Leu Asp Ala Asn Gly Ile  
                     515                    520                    525  
 Leu Lys Val Ser Ala Thr Asp Lys Gly Thr Gly Lys Ser Glu Ser Ile  
                     530                    535                    540  
 Thr Ile Thr Asn Asp Lys Gly Arg Leu Thr Gln Glu Glu Ile Asp Arg  
                     545                    550                    555                    560  
 Met Val Glu Glu Ala Glu Lys Phe Ala Ser Glu Asp Ala Ser Ile Lys  
                     565                    570                    575  
 Ala Lys Val Glu Ser Arg Asn Lys Leu Glu Asn Tyr Ala His Ser Leu  
                     580                    585                    590  
 Lys Asn Gln Val Asn Gly Asp Leu Gly Glu Lys Leu Glu Glu Glu Asp  
                     595                    600                    605  
 Lys Glu Thr Leu Leu Asp Ala Ala Asn Asp Val Leu Glu Trp Leu Asp  
                     610                    615                    620  
 Asp Asn Phe Glu Thr Ala Ile Ala Glu Asp Phe Asp Glu Lys Phe Glu  
                     625                    630                    635                    640  
 Ser Leu Ser Lys Val Ala Tyr Pro Ile Thr Ser Lys Leu Tyr Gly Gly  
                     645                    650                    655  
 Ala Asp Gly Ser Gly Ala Ala Asp Tyr Asp Asp Glu Asp Glu Asp Asp  
                     660                    665                    670  
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&lt;210&gt; 145

&lt;211&gt; 1253

&lt;212&gt; DNA

<213> *Candida albicans*

&lt;400&gt; 145

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<210> 146

<211> 250

<212> PRT

<213> *Candida albicans*

<400> 146

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Met Gln His Ile Lys His Met Arg Thr Ala Val Arg Leu Ala Arg Tyr
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Ala Leu Asp His Asp Glu Thr Pro Val Ala Cys Ile Phe Val His Thr
      20             25             30

Pro Thr Gly Gln Val Met Ala Tyr Gly Met Asn Asp Thr Asn Lys Ser
      35             40             45

Leu Thr Gly Val Ala His Ala Glu Phe Met Gly Ile Asp Gln Ile Lys
 50             55             60

Ala Met Leu Gly Ser Arg Gly Val Val Asp Val Phe Lys Asp Ile Thr
 65             70             75             80

Leu Tyr Val Thr Val Glu Pro Cys Ile Met Cys Ala Ser Ala Leu Lys
      85             90             95

Gln Leu Asp Ile Gly Lys Val Val Phe Gly Cys Gly Asn Glu Arg Phe
 100             105             110

Gly Gly Asn Gly Thr Val Leu Ser Val Asn His Asp Thr Cys Thr Leu
 115             120             125

Val Pro Lys Asn Asn Ser Ala Ala Gly Tyr Glu Ser Ile Pro Gly Ile
 130             135             140

Leu Arg Lys Glu Ala Ile Met Leu Leu Arg Tyr Phe Tyr Val Arg Gln
 145             150             155             160

Asn Glu Arg Ala Pro Lys Pro Arg Ser Lys Ser Asp Arg Val Leu Asp
      165             170             175

Lys Asn Thr Phe Pro Pro Met Glu Trp Ser Lys Tyr Leu Asn Glu Glu
 180             185             190

Ala Phe Ile Glu Thr Phe Gly Asp Asp Tyr Arg Thr Cys Phe Ala Asn
 195             200             205

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Lys Val Asp Leu Ser Ser Asn Ser Val Asp Trp Asp Leu Ile Asp Ser  
 210 215 220

His Gln Asp Asn Ile Ile Gln Glu Leu Glu Glu Gln Cys Lys Met Phe  
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Lys Phe Asn Val His Lys Lys Ser Lys Val  
 245 250

<210> 147  
 <211> 3167  
 <212> DNA  
 <213> Candida albicans

<400> 147

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&lt;210&gt; 148

&lt;211&gt; 888

&lt;212&gt; PRT

<213> *Candida albicans*

&lt;400&gt; 148

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Asn Ser Val Thr Lys Pro Asn Glu Thr Lys Asn Lys Glu Ala Arg Val
      20              25              30

Leu Ser Glu Asn Asp Gly Asp Val Ser Pro Ser Val Leu Lys Gln Lys
      35              40              45

Glu Ile Ser Val Asp Asp Met Asp Met Ile Ser Leu Pro Thr Glu Phe
      50              55              60

Asp Arg Gln Met Val Leu Gly Ser Pro Met Phe Phe Asp Leu Glu Asp
      65              70              75              80

Glu Glu Asn Lys Ile Asp Pro Leu Pro Ser Val Ser His His Tyr Gly
      85              90              95

Asn Gly Glu Ser Asp Ser Phe Val Ser Ser Tyr Thr Pro Ser Asn Leu
      100             105             110

Lys Thr Gly Glu Glu Thr Lys Asp Leu Phe Ile Asn Pro Phe Glu Leu
      115             120             125

Val Ser Gln Met Arg Lys Arg Tyr Ile Ala Ala Ser Lys Gln Asp Gly
      130             135             140

Ile Ser Asn Ile Lys Asn Asp Thr Glu Lys Trp Phe Leu Tyr Pro Lys
      145             150             155             160

Pro Leu Pro Lys Phe Trp Arg Phe Glu Asp Asp Lys Arg Phe Gln Asp
      165             170             175

Pro Ser Asp Ser Asp Leu Asn Asp Asp Gly Asp Ser Thr Gly Thr Gly
      180             185             190

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Ala Ala Thr Pro His Arg His Gly Tyr Tyr Tyr Pro Ser Tyr Phe Thr  
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 Asp His Tyr Tyr Tyr Tyr Thr Lys Ser Gly Leu Lys Gly Lys Gly Asn  
 210 215 220  
 Ile Lys Val Pro Tyr Thr Gly Glu Tyr Phe Asp Leu Glu Asp Tyr Lys  
 225 230 235 240  
 Lys Gln Tyr Ile Tyr His Leu Ser Asn Gln Glu Asn Thr Gln Asn Pro  
 245 250 255  
 Leu Ser Pro Tyr Ser Ser Lys Glu Glu Ser Leu Glu Glu Glu Phe Leu  
 260 265 270  
 Thr Asp Val Pro Thr Phe Gln Glu Phe Arg Asp Asp Phe Ala Tyr Ile  
 275 280 285  
 Ile Glu Leu Ile Gln Ser His Lys Phe Asn Glu Val Ser Arg Lys Arg  
 290 295 300  
 Leu Ser Tyr Leu Leu Asp Lys Phe Glu Leu Phe Gln Tyr Leu Asn Ser  
 305 310 315 320  
 Lys Lys Glu Ile Leu Ala Asn Lys Asn Val Pro Tyr Arg Asp Phe Tyr  
 325 330 335  
 Asn Ser Arg Lys Val Asp Arg Asp Leu Ser Leu Ser Gly Cys Ile Ser  
 340 345 350  
 Gln Arg Gln Leu Ser Glu Tyr Ile Trp Glu Lys Ile Asn Leu Glu Pro  
 355 360 365  
 Glu Arg Ile Val Tyr Gln Asp Pro Glu Thr Ser Arg Lys Leu Ser Leu  
 370 375 380  
 Arg Asp Ile Phe Gln Phe Gly Cys Ser Ser Asn Asp Gln Pro Ile Ala  
 385 390 395 400  
 Ile Gly Leu Lys Leu Ile Asp Asp Glu Phe Leu Asp Trp Tyr Arg Asn  
 405 410 415  
 Ile Tyr Leu Ile Asp Tyr His Leu Thr Pro Asn Lys Val Ala Lys Leu  
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 Val Gly Lys Glu Met Arg Phe Tyr Leu Leu Ala Lys Val Phe Leu Glu  
 435 440 445  
 Phe Asp Asn Phe Ile Glu Gly Glu Tyr Leu Ala Glu Ile Phe Ile Lys  
 450 455 460  
 Tyr Val Ile His Ile Leu Glu Lys Ser Lys Tyr Gln Leu Ala Gln Val  
 465 470 475 480  
 Ser Val Asn Phe Gln Phe Tyr Ser Ser Gly Glu Asp Trp Tyr Lys Lys  
 485 490 495

Phe	Ser	Gln	Trp	Leu	Leu	Arg	Trp	Lys	Leu	Val	Ser	Tyr	Asn	Ile	Arg	
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Trp	Asn	Ile	Gln	Ile	Ala	Arg	Ile	Phe	Pro	Lys	Leu	Phe	Lys	Glu	Asn	
		515					520					525				
Val	Val	Ser	Asn	Phe	Gln	Glu	Phe	Leu	Asp	Leu	Ile	Phe	Asn	Pro	Leu	
	530					535					540					
Phe	Thr	Leu	Glu	Lys	Glu	Gln	Leu	Pro	Ile	Asp	Ser	Ser	Val	Asn	Thr	
545					550					555					560	
Asp	Ile	Ile	Gly	Leu	Gln	Phe	Phe	Leu	Ser	Asn	Val	Cys	Ser	Met	Asp	
				565					570					575		
Leu	Val	Ile	Lys	Glu	Ser	Asp	Glu	Tyr	Tyr	Trp	Lys	Glu	Phe	Thr	Asp	
			580					585					590			
Met	Asn	Cys	Lys	Pro	Lys	Phe	Trp	Thr	Ala	Gln	Gly	Asp	Asn	Pro	Thr	
		595					600					605				
Val	Ala	His	Tyr	Met	Tyr	Tyr	Ile	Tyr	Lys	Ser	Leu	Ala	Lys	Val	Asn	
	610					615					620					
Phe	Leu	Arg	Ser	Gln	Asn	Leu	Gln	Asn	Thr	Ile	Thr	Leu	Arg	Asn	Tyr	
625					630					635					640	
Cys	Ser	Pro	Leu	Ser	Ser	Arg	Thr	Ser	Gln	Phe	Gly	Val	Asp	Leu	Tyr	
			645						650					655		
Phe	Thr	Asp	Gln	Val	Glu	Ser	Leu	Val	Cys	Asn	Leu	Leu	Leu	Cys	Asn	
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	690					695					700					
Ser	Ser	Val	Ser	Leu	Leu	Asn	Ser	Gln	Lys	Ser	Thr	Phe	Leu	Lys	Asn	
705					710					715					720	
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Leu	Ile	Glu	Glu	Tyr	Ser	Val	Ala	Ala	Ser	Ile	Tyr	Leu	Leu	Asn	Pro	
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                     850                    855                    860  
 Tyr Arg Lys Glu Thr Leu Asp Gln Glu Trp Asn Phe Val Arg Asp His  
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 <212> DNA  
 <213> *Candida albicans*

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 caacgagact tgggtcatct tccagaagtt cttccggggc cgtctcttcc tcagctgtgt 1800

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cgcaatctgt tctgaattcc gttatagccg tcaacaccga cgtatctgta acctcagtta 1860
gtagcacagc ccataccaca aaggacaccg ccaccacttc agtaaccgcc tcagaaagta 1920
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&lt;210&gt; 150

&lt;211&gt; 881

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 150

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Met Leu Glu Phe Pro Ile Ser Val Leu Leu Gly Cys Leu Val Ala Val
 1             5             10             15

Lys Ala Gln Thr Thr Phe Pro Asn Phe Glu Ser Asp Val Leu Asn Glu
      20             25             30

His Asn Lys Phe Arg Ala Leu His Val Asp Thr Ala Pro Leu Thr Trp
      35             40             45

Ser Asp Thr Leu Ala Thr Tyr Ala Gln Asn Tyr Ala Asp Gln Tyr Asp
      50             55             60

Cys Ser Gly Val Leu Thr His Ser Asp Gly Pro Tyr Gly Glu Asn Leu
      65             70             75             80

Ala Leu Gly Tyr Thr Asp Thr Gly Ala Val Asp Ala Trp Tyr Gly Glu
      85             90             95

Ile Ser Lys Tyr Asn Tyr Ser Asn Pro Gly Phe Ser Glu Ser Thr Gly
      100            105            110

His Phe Thr Gln Val Val Trp Lys Ser Thr Ala Glu Ile Gly Cys Gly
      115            120            125

Tyr Lys Tyr Cys Gly Thr Thr Trp Asn Asn Tyr Ile Val Cys Ser Tyr
      130            135            140

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Asn Pro Pro Gly Asn Tyr Leu Gly Glu Phe Ala Glu Glu Val Glu Pro  
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 Leu Ile Ser Thr Val Ser Ser Ser Ser Ser Ser Ser Ser Thr Ser  
 165 170 175  
 Thr Thr Ser Asp Thr Val Ser Thr Ile Ser Ser Ser Ile Met Pro Ala  
 180 185 190  
 Val Ala Gln Gly Tyr Thr Thr Thr Val Ser Ser Ala Ala Ser Ser Ser  
 195 200 205  
 Ser Leu Lys Ser Thr Thr Ile Asn Pro Ala Lys Thr Ala Thr Leu Thr  
 210 215 220  
 Ala Ser Ser Ser Thr Val Ile Thr Ser Ser Thr Glu Ser Val Gly Ser  
 225 230 235 240  
 Ser Thr Val Ser Ser Ala Ser Ser Ser Ser Val Thr Thr Ser Tyr Ala  
 245 250 255  
 Thr Ser Ser Ser Thr Val Val Ser Ser Asp Ala Thr Ser Ser Thr Thr  
 260 265 270  
 Thr Thr Ser Ser Val Ala Thr Ser Ser Ser Thr Thr Ser Ser Asp Pro  
 275 280 285  
 Thr Ser Ser Thr Ala Ala Ala Ser Ser Ser Asp Pro Ala Ser Ser Ser  
 290 295 300  
 Ala Ala Ala Ser Ser Ser Ala Ser Thr Glu Asn Ala Ala Ser Ser Ser  
 305 310 315 320  
 Ser Ala Ile Ser Ser Ser Ser Ser Met Val Ser Ala Pro Leu Ser Ser  
 325 330 335  
 Thr Leu Thr Thr Ser Thr Ala Ser Ser Arg Ser Val Thr Ser Asn Ser  
 340 345 350  
 Val Asn Ser Val Lys Phe Ala Asn Thr Thr Val Phe Ser Ala Gln Thr  
 355 360 365  
 Thr Ser Ser Val Ser Ala Ser Leu Ser Ser Ser Val Ala Ala Asp Asp  
 370 375 380  
 Ile Gln Gly Ser Thr Ser Lys Glu Ala Thr Ser Ser Val Ser Glu His  
 385 390 395 400  
 Thr Ser Ile Val Thr Ser Ala Thr Asn Ala Ala Gln Tyr Ala Thr Arg  
 405 410 415  
 Leu Gly Ser Ser Ser Arg Ser Ser Ser Gly Ala Val Ser Ser Ser Ala  
 420 425 430  
 Val Ser Gln Ser Val Leu Asn Ser Val Ile Ala Val Asn Thr Asp Val  
 435 440 445

Ser Val Thr Ser Val Ser Ser Thr Ala His Thr Thr Lys Asp Thr Ala  
 450 455 460  
 Thr Thr Ser Val Thr Ala Ser Glu Ser Ile Thr Ser Glu Thr Ala Gln  
 465 470 475 480  
 Ala Ser Ser Ser Thr Glu Lys Asn Ile Ser Asn Ser Ala Ala Thr Ser  
 485 490 495  
 Ser Ser Ile Tyr Ser Asn Ser Ala Ser Val Ser Gly His Gly Val Thr  
 500 505 510  
 Tyr Ala Ala Glu Tyr Ala Ile Thr Ser Glu Gln Ser Ser Ala Leu Ala  
 515 520 525  
 Thr Ser Val Pro Ala Thr Asn Cys Ser Ser Ile Val Lys Thr Thr Thr  
 530 535 540  
 Leu Glu Asn Ser Ser Thr Thr Thr Ile Thr Ala Ile Thr Lys Ser Thr  
 545 550 555 560  
 Thr Thr Leu Ala Thr Thr Ala Asn Asn Ser Thr Arg Ala Ala Thr Ala  
 565 570 575  
 Val Thr Ile Asp Pro Thr Leu Asp Pro Thr Asp Asn Ser Ala Ser Pro  
 580 585 590  
 Thr Asp Asn Ala Lys His Thr Ser Thr Tyr Gly Ser Ser Ser Thr Gly  
 595 600 605  
 Ala Ser Leu Asp Ser Leu Arg Thr Thr Thr Ser Ile Ser Val Ser Ser  
 610 615 620  
 Asn Thr Thr Gln Leu Val Ser Thr Cys Thr Ser Glu Ser Asp Tyr Ser  
 625 630 635 640  
 Asp Ser Pro Ser Phe Ala Ile Ser Thr Ala Thr Thr Thr Glu Ser Asn  
 645 650 655  
 Leu Ile Thr Asn Thr Ile Thr Ala Ser Cys Ser Thr Asp Ser Asn Phe  
 660 665 670  
 Pro Thr Ser Ala Ala Ser Ser Thr Asp Glu Thr Ala Phe Thr Arg Thr  
 675 680 685  
 Ile Ser Thr Ser Cys Ser Thr Leu Asn Gly Ala Ser Thr Gln Thr Ser  
 690 695 700  
 Glu Leu Thr Thr Ser Pro Met Lys Thr Asn Thr Val Val Pro Ala Ser  
 705 710 715 720  
 Ser Phe Pro Ser Thr Thr Thr Thr Cys Leu Glu Asn Asp Asp Thr Ala  
 725 730 735  
 Phe Ser Ser Ile Tyr Thr Glu Val Asn Ala Ala Thr Ile Ile Asn Pro  
 740 745 750



157

Gly Glu Thr Ser Ser Leu Ala Ser Asp Phe Ala Thr Ser Glu Lys Pro  
           755                              760                              765  
 Asn Glu Pro Thr Ser Val Lys Ser Thr Ser Asn Glu Gly Thr Ser Ser  
           770                              775                              780  
 Thr Thr Thr Thr Tyr Gln Gln Thr Val Ala Thr Leu Tyr Ala Lys Pro  
 785                              790                              795                              800  
 Ser Ser Thr Ser Leu Gly Ala Arg Thr Thr Thr Gly Ser Asn Gly Arg  
                               805                              810                              815  
 Ser Thr Thr Ser Gln Gln Asp Gly Ser Ala Met His Gln Pro Thr Ser  
                               820                              825                              830  
 Ser Ile Tyr Thr Gln Leu Lys Glu Gly Thr Ser Thr Thr Ala Lys Leu  
           835                              840                              845  
 Ser Ala Tyr Glu Gly Ala Ala Thr Pro Leu Ser Ile Phe Gln Cys Asn  
           850                              855                              860  
 Ser Leu Ala Gly Thr Ile Ala Ala Phe Val Val Ala Val Leu Phe Ala  
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 Phe

<210> 151  
 <211> 830  
 <212> DNA  
 <213> Candida albicans

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 gtgaagtgtt gctcaatcta tttgtttccg taggagtgtt attctcaatc gtgttgtctg 180  
 tccccagtgg ctgggcattt aatgagtaga atcggggcag tttcaatctt atggaattca 240  
 caatgaagca tcccttcctt aatgatggca gcattccgta ttctcttttg taggggtttcg 300  
 tttgccttca agtgttttgt tcttatttag ccttttcctt taccttaatt tttttctttt 360  
 ctctgaagaa aatgaatgag tttaaagata tagcaattaa aaagtaacag tgaagaaatt 420  
 tctcagatga gcagatggga attaaagaac tatctacaga gctctttact aaattgaatc 480  
 aataatacat acttacaaac atgtcacaga tagcacaaga aatgacagtg agcttaagaa 540  
 acgccaggac acaattggat atggtcaatc agcagctagc atatttggac agacaagaaa 600  
 agcttgctga attgacaaag aaagaactag agtcttatcc aacggacaaa gtatggagat 660  
 cttgcggtaa atcgttttat ttacaggata aatccaaata cgttaatgat ttatcacatg 720  
 ccgaaactgt tcttctggat caaagaaaaa cattaaagat aaagaagaac tatttagaaa 780  
 ctactgttga aaaaacaata gacaatctaa aggcattgat gaagaattaa 830

<210> 152  
 <211> 109  
 <212> PRT  
 <213> Candida albicans

158

&lt;400&gt; 152

Met Ser Gln Ile Ala Gln Glu Met Thr Val Ser Leu Arg Asn Ala Arg  
 1 5 10 15

Thr Gln Leu Asp Met Val Asn Gln Gln Leu Ala Tyr Leu Asp Arg Gln  
 20 25 30

Glu Lys Leu Ala Glu Leu Thr Lys Lys Glu Leu Glu Ser Tyr Pro Thr  
 35 40 45

Asp Lys Val Trp Arg Ser Cys Gly Lys Ser Phe Ile Leu Gln Asp Lys  
 50 55 60

Ser Lys Tyr Val Asn Asp Leu Ser His Ala Glu Thr Val Leu Leu Asp  
 65 70 75 80

Gln Arg Lys Thr Leu Lys Ile Lys Lys Asn Tyr Leu Glu Thr Thr Val  
 85 90 95

Glu Lys Thr Ile Asp Asn Leu Lys Ala Leu Met Lys Asn  
 100 105

&lt;210&gt; 153

&lt;211&gt; 1478

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 153

aatagttcctt ctttatcctt aatgtttttc tttgatccag aagaacagtt tcggcatgtg 60  
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 atactttgtc cgttggataa gactctagtt ctttctttgt caattcagca agcttttctt 180  
 gtctgtccaa atatgctagc tgctgattga ccatatccaa ttgtgtcctg gcgttttctta 240  
 agctcactgt catttcttgt gctatctgtg acatgtttgt aagtatgtat tattgattca 300  
 atttagtaaa gagctctgta gatagttcct taattcccat ctgctcatct gagaaaattc 360  
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 aaaaaattaa ggtaaaggaa aaggctaaat aagaacaaaa cacttgaagg caaacgaaac 480  
 cctacaaaag agaatacggg atgctgccat cattaaggaa gggatgcttc attgtgaatt 540  
 ccataagatt gaaactgccc cgattctact cattaaatgc ccagccactg gggacagaca 600  
 acacgattga gaataacact cctacggaaa caaatagatt gagcaaaact tcacagaagt 660  
 tttgggaaaa ggtgtcacta aatagggatg ttgagaaagg aaagattgct ctacaattag 720  
 atggcaggac tataaaaaact cctctaggaa atggaattat agttgataat gcaaagtctc 780  
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 aaggaagatt acgcaatgcg caaaatgagt tatatatacc catcatcaaa ggaatggaag 1080  
 agtttttacg caacttttca tccgagtcta atattcgact acaaatttta gatgccgaca 1140  
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 ttgaaaagtg gggagaggtt gaagatactc atgacgttga caaaagagac atcagaagaa 1440  
 aaattcatatc tgctgcgatt gctgctttta agcaataa 1478

&lt;210&gt; 154

&lt;211&gt; 325

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 154

Met	Leu	Pro	Ser	Leu	Arg	Lys	Gly	Cys	Phe	Ile	Val	Asn	Ser	Ile	Arg
1				5					10					15	
Leu	Lys	Leu	Pro	Arg	Phe	Tyr	Ser	Leu	Asn	Ala	Gln	Pro	Leu	Gly	Thr
			20					25					30		
Asp	Asn	Thr	Ile	Glu	Asn	Asn	Thr	Pro	Thr	Glu	Thr	Asn	Arg	Leu	Ser
		35					40					45			
Lys	Thr	Ser	Gln	Lys	Phe	Trp	Glu	Lys	Val	Ser	Leu	Asn	Arg	Asp	Val
	50					55					60				
Glu	Lys	Gly	Lys	Ile	Ala	Leu	Gln	Leu	Asp	Gly	Arg	Thr	Ile	Lys	Thr
65					70					75					80
Pro	Leu	Gly	Asn	Gly	Ile	Ile	Val	Asp	Asn	Ala	Lys	Ser	Leu	Leu	Ala
				85					90					95	
Tyr	Leu	Leu	Lys	Leu	Glu	Trp	Ser	Ser	Leu	Ser	Ser	Leu	Ser	Ile	Lys
			100					105					110		
Thr	His	Ser	Leu	Pro	Leu	Thr	Ser	Leu	Val	Ala	Arg	Cys	Ile	Asp	Leu
		115					120					125			
Gln	Met	Thr	Asn	Glu	Pro	Gly	Cys	Asp	Pro	Gln	Leu	Val	Ala	Lys	Ile
	130					135					140				
Gly	Gly	Asn	Ser	Asp	Val	Ile	Lys	Asn	Gln	Leu	Leu	Arg	Tyr	Leu	Asp
145					150				155						160
Thr	Asp	Thr	Leu	Leu	Val	Phe	Ser	Pro	Met	Asn	Glu	Phe	Glu	Gly	Arg
			165					170						175	
Leu	Arg	Asn	Ala	Gln	Asn	Glu	Leu	Tyr	Ile	Pro	Ile	Ile	Lys	Gly	Met
			180					185					190		
Glu	Glu	Phe	Leu	Arg	Asn	Phe	Ser	Ser	Glu	Ser	Asn	Ile	Arg	Leu	Gln
		195					200					205			
Ile	Leu	Asp	Ala	Asp	Ile	His	Gly	Leu	Arg	Gly	Asn	Gln	Gln	Ser	Asp
	210					215					220				
Ile	Val	Lys	Asn	Ala	Ala	Lys	Lys	Tyr	Met	Ser	Ser	Leu	Ser	Pro	Trp
225					230					235					240
Asp	Leu	Ala	Ile	Leu	Glu	Lys	Thr	Val	Leu	Thr	Thr	Lys	Ser	Phe	Ile
			245						250					255	
Cys	Gly	Val	Leu	Leu	Leu	Glu	Asn	Lys	Lys	Asp	Thr	Ala	Asn	Leu	Ile
			260					265					270		

Pro Ala Leu Lys Thr Asp Met Asp Asn Ile Val Arg Ala Ala Thr Leu  
 275 280 285

Glu Thr Ile Phe Gln Val Glu Lys Trp Gly Glu Val Glu Asp Thr His  
 290 295 300

Asp Val Asp Lys Arg Asp Ile Arg Arg Lys Ile His Thr Ala Ala Ile  
 305 310 315 320

Ala Ala Phe Lys Gln  
 325

<210> 155  
 <211> 2336  
 <212> DNA  
 <213> *Candida albicans*

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 agaggtacgt gtgctagtga aataggtcac atgtaccaga aaatcaagaa atcttagatg 180  
 tgtgtaatct tgcaatttag tttcaaacaa gatccttgta tttatataaa caaagatata 240  
 atttttaaaa aaaaattaga aaaagcaaat ataattcagg tcccacttgg aataatggca 300  
 ctgtattgat gcatttttctt tatgcttagt gacgcgtttt cgcgcgtcag tttcaagttt 360  
 ttcttggctt ttttttttct attttcgtaa agggctctaa aaggattaaa aaatgcagta 420  
 ttgaaataaa gaacaattac gaacggtgaa gctgctattt tggttattat acccttccag 480  
 gacagtacgc gcaaactatt atggagatat tcaaggaaga agaagaagaa gctttttcgg 540  
 cgatagaagg tataatatat gcctgtgagg tgtatgacct tgtaccccgat catttacata 600  
 aaagcaaaac aaagatcatc aatgctgcta aattaattat agaaacgcat ctttcatatt 660  
 atacaatact caataacatt tcagatatat aagcctatct ttctacttgg cttagggatc 720  
 ttggaacgac aggtccatac caaacaattc tttcagaaag tatttctctc atgtttgacc 780  
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 ctggagattt tgaaatctgt cgtattgacg acgcgggagc tgcataaca tttacagaag 1320  
 cgaaggatgt aaaactagaa ataatcagtc tggatgaagt ttcttgggta atgcagtgga 1380  
 aatcttgtct tcaaaattat gagagaaggg cagcaaatga cagttcattt atcaaaacac 1440  
 acctacaatt taagaaggcc aacaatttca atgaagataa taatgggcta ggactaattg 1500  
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 cgccttcaaa tactgggtgt tcattacaca ggtctaaacc cttgcatatc cctttatcat 1620  
 ctggttattcg tgaagacttt tatgatagct ctctaaatga gcgtatatct aaagacggag 1680  
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 tcaaaattcg tttgtgtgac gatataaaat gtataacaac cacagagcaa gacatacaaa 2040  
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 tatcgcactc aaacaatcaa gatgctactg caagtccact ttcgtcagtt tcatcagcaa 2220

tggatctcaa gcattcatta cagaaatgtt cctctacaat aatgccccaa gagttgacgc 2280  
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<210> 156  
 <211> 611  
 <212> PRT  
 <213> Candida albicans

<400> 156

Met	Glu	Ile	Phe	Lys	Glu	Glu	Glu	Glu	Glu	Ala	Phe	Ser	Ala	Ile	Glu	1	5	10	15
Gly	Ile	Ile	Tyr	Ala	Cys	Glu	Val	Tyr	Asp	Pro	Val	Pro	Arg	His	Leu	20	25	30	
His	Lys	Ser	Lys	Thr	Lys	Ile	Ile	Asn	Ala	Ala	Lys	Leu	Ile	Ile	Glu	35	40	45	
Thr	His	Leu	Ser	Tyr	Tyr	Thr	Ile	Leu	Asn	Asn	Ile	Ser	Asp	Ile	Gln	50	55	60	
Ala	Tyr	Leu	Ser	Thr	Trp	Leu	Arg	Asp	Leu	Gly	Thr	Thr	Gly	Pro	Tyr	65	70	75	80
Gln	Thr	Ile	Leu	Ser	Glu	Ser	Ile	Ser	Leu	Met	Phe	Asp	Arg	Thr	Val	85	90	95	
Ser	Ile	Phe	Arg	Lys	Cys	Thr	Ile	Glu	Gly	Gly	Phe	Pro	His	Leu	Ile	100	105	110	
Ala	Arg	Leu	Tyr	Leu	Arg	Leu	Lys	Ser	Tyr	Gln	Lys	Leu	Leu	Asn	Asp	115	120	125	
Ala	Gly	Leu	Lys	Asn	Phe	Phe	Ser	Ser	Tyr	Asp	Tyr	Ala	Phe	Gly	Val	130	135	140	
Ala	Tyr	Asn	Leu	Val	Asn	Cys	Ser	Glu	Tyr	Arg	Tyr	Asp	Glu	Val	His	145	150	155	160
Tyr	Ile	Ser	Asn	Gly	Thr	Tyr	Ser	Leu	Val	Ala	Ser	Met	Lys	Ile	Asp	165	170	175	
Pro	Ala	Glu	Val	Ile	Lys	Arg	Glu	His	Phe	Arg	Leu	Thr	Ile	Pro	Lys	180	185	190	
Phe	Asn	Ile	Ser	Asn	Ile	Leu	Ile	Glu	Ile	Phe	His	Leu	Leu	Asp	Gly	195	200	205	
Leu	Ala	Phe	Phe	Lys	Val	Asn	Pro	Asp	Ser	Leu	Ser	Ile	Ser	Thr	Ala	210	215	220	
Ser	Ala	Glu	Thr	Ile	Phe	Arg	Ser	Ile	Ser	Glu	Gly	Asn	His	Gln	Val	225	230	235	240
Leu	Glu	Leu	Gly	Arg	Ser	Leu	Met	Phe	Pro	Leu	Leu	Arg	Thr	Gly	Asp	245	250	255	

Phe Glu Ile Cys Arg Ile Asp Asp Ala Gly Ala Val Ile Thr Phe Thr  
 260 265 270  
 Glu Ala Lys Asp Val Lys Leu Glu Ile Ile Ser Leu Asp Glu Val Ser  
 275 280 285  
 Trp Val Met Gln Trp Lys Ser Cys Leu Gln Asn Tyr Glu Arg Arg Ala  
 290 295 300  
 Ala Asn Asp Ser Ser Phe Ile Lys Thr His Leu Gln Phe Lys Lys Ala  
 305 310 315 320  
 Asn Asn Phe Asn Glu Asp Asn Asn Gly Leu Gly Leu Ile Val Asp Arg  
 325 330 335  
 Asn Ile Pro Thr Asp Asp Phe Thr Leu Ala Ser Thr Asn Arg Gln Ser  
 340 345 350  
 Pro Pro Pro Ser Asn Thr Gly Cys Ser Leu His Arg Ser Lys Pro Leu  
 355 360 365  
 His Ile Pro Leu Ser Ser Val Ile Arg Glu Asp Phe Tyr Asp Ser Ser  
 370 375 380  
 Leu Asn Glu Arg Ile Ser Lys Asp Gly Asp Ser Ser Cys Glu Ser Phe  
 385 390 395 400  
 Ser Gly Ala Glu Ser Ile Leu Ser Asp Tyr Asp Phe His Asp Asn Glu  
 405 410 415  
 Phe Phe Asn Asn Gln Ser Pro His Tyr Phe Ser Glu His Ile Asp Asn  
 420 425 430  
 Asn Ser Arg Glu Val Val Ile Thr Asp Glu Asn Thr Ile Ile Ser Leu  
 435 440 445  
 Glu Asn Thr Gln Val Ser Arg Trp Ser Asn Tyr Ser Trp Gln Lys Ile  
 450 455 460  
 Ser Pro His Gln Leu Gln Val Ser Ile Ile Gln Leu Arg Met Gly Asn  
 465 470 475 480  
 Phe Ile Val Ala Tyr Asp Ser Asp Tyr Asn Leu His Gln Phe Lys Ile  
 485 490 495  
 Arg Leu Cys Asp Asp Ile Lys Cys Ile Gln Ser Thr Glu Gln Asp Ile  
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 Gln Ile Arg Val Pro Leu Gly Ala Ile Met Cys Ser Val Thr Gly Ile  
 515 520 525  
 Leu Asn Ile Arg Thr Lys Asp Ala Asp Lys Leu Leu Arg Val Leu Ser  
 530 535 540  
 Phe Tyr Thr Thr Asp His Thr Glu Ala Val Ser His Ser Asn Asn Gln  
 545 550 555 560



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agccaaaatt ttttatatga                               2960

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&lt;210&gt; 158

&lt;211&gt; 819

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 158

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Met Ser Ser Leu Asp Glu Asp Glu Glu Asp Phe Glu Met Leu Asp Thr
  1              5              10              15

Glu Asn Leu Gln Phe Met Gly Lys Lys Met Phe Gly Lys Gln Ala Gly
      20              25              30

Glu Asp Glu Ser Asp Asp Phe Ala Ile Gly Gly Ser Thr Pro Thr Asn
  35              40              45

Lys Leu Lys Phe Tyr Pro Tyr Ser Asn Asn Lys Leu Thr Arg Ser Thr
  50              55              60

Gly Thr Leu Asn Leu Ser Leu Ser Asn Thr Ala Leu Ser Glu Ala Asn
  65              70              75              80

Ser Lys Phe Leu Gly Lys Ile Glu Glu Glu Glu Glu Glu Glu Glu Glu
      85              90              95

Gly Lys Asp Glu Glu Ser Val Asp Ser Arg Ile Lys Arg Trp Ser Pro
  100              105              110

Phe His Glu Asn Glu Ser Val Thr Thr Pro Ile Thr Lys Arg Ser Ala
  115              120              125

Glu Lys Thr Asn Ser Pro Ile Ser Leu Lys Gln Trp Asn Gln Arg Trp
  130              135              140

Phe Pro Lys Asn Asp Ala Arg Thr Glu Asn Thr Ser Ser Ser Ser Ser
  145              150              155              160

Tyr Ser Val Ala Lys Pro Asn Gln Ser Ala Phe Thr Ser Ser Gly Leu
      165              170              175

Val Ser Lys Met Ser Met Asp Thr Ser Leu Tyr Pro Ala Lys Leu Arg
  180              185              190

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Ile Pro Glu Thr Pro Val Lys Lys Ser Pro Leu Val Glu Gly Arg Asp  
 195 200 205  
 His Lys His Val His Leu Ser Ser Ser Lys Asn Ala Ser Ser Ser Leu  
 210 215 220  
 Ser Val Ser Pro Leu Asn Phe Val Glu Asp Asn Asn Leu Gln Glu Asp  
 225 230 235 240  
 Leu Leu Phe Ser Asp Ser Pro Ser Ser Lys Ala Leu Pro Ser Ile His  
 245 250 255  
 Val Pro Thr Ile Asp Ser Ser Pro Leu Ser Glu Ala Lys Tyr His Ala  
 260 265 270  
 His Asp Arg His Asn Asn Gln Thr Asn Ile Leu Ser Pro Thr Asn Ser  
 275 280 285  
 Leu Val Thr Asn Ser Ser Pro Gln Thr Leu His Ser Asn Lys Phe Lys  
 290 295 300  
 Lys Ile Lys Arg Ala Arg Asn Ser Val Ile Leu Lys Asn Arg Glu Leu  
 305 310 315 320  
 Thr Asn Ser Leu Gln Gln Phe Lys Asp Asp Leu Tyr Gly Thr Asp Glu  
 325 330 335  
 Asn Phe Pro Pro Pro Ile Ile Ile Ser Ser His His Ser Thr Arg Lys  
 340 345 350  
 Asn Pro Gln Pro Tyr Gln Phe Arg Gly Arg Tyr Asp Asn Asp Thr Asp  
 355 360 365  
 Glu Glu Ile Ser Thr Pro Thr Arg Arg Lys Ser Ile Ile Gly Ala Thr  
 370 375 380  
 Ser Gln Thr His Arg Glu Ser Arg Pro Leu Ser Leu Ser Ser Ala Ile  
 385 390 395 400  
 Val Thr Asn Thr Thr Ser Ala Glu Thr His Ser Ile Ser Ser Thr Asp  
 405 410 415  
 Ser Ser Pro Leu Asn Ser Lys Arg Arg Leu Ile Ser Ser Asn Lys Leu  
 420 425 430  
 Ser Ala Asn Pro Asp Ser His Leu Phe Glu Lys Phe Thr Asn Val His  
 435 440 445  
 Ser Ile Gly Lys Gly Gln Phe Ser Thr Val Tyr Gln Val Thr Phe Ala  
 450 455 460  
 Gln Thr Asn Lys Lys Tyr Ala Ile Lys Ala Ile Lys Pro Asn Lys Tyr  
 465 470 475 480  
 Asn Ser Leu Lys Arg Ile Leu Leu Glu Ile Lys Ile Leu Asn Glu Val  
 485 490 495

Thr Asn Gln Ile Thr Met Asp Gln Glu Gly Lys Glu Tyr Ile Ile Asp  
 500 505 510  
 Tyr Ile Ser Ser Trp Lys Phe Gln Asn Ser Tyr Tyr Ile Met Thr Glu  
 515 520 525  
 Leu Cys Glu Asn Gly Asn Leu Asp Gly Phe Leu Gln Glu Gln Val Ile  
 530 535 540  
 Ala Lys Lys Lys Arg Leu Glu Asp Trp Arg Ile Trp Lys Ile Ile Val  
 545 550 555 560  
 Glu Leu Ser Leu Ala Leu Arg Phe Ile His Asp Ser Cys His Ile Val  
 565 570 575  
 His Leu Asp Leu Lys Pro Ala Asn Val Met Ile Thr Phe Glu Gly Asn  
 580 585 590  
 Leu Lys Leu Gly Asp Phe Gly Met Ala Thr His Leu Pro Leu Glu Asp  
 595 600 605  
 Lys Ser Phe Glu Asn Glu Gly Asp Arg Glu Tyr Ile Ala Pro Glu Ile  
 610 615 620  
 Ile Ser Asp Cys Thr Tyr Asp Tyr Lys Ala Asp Ile Phe Ser Leu Gly  
 625 630 635 640  
 Leu Met Ile Val Glu Ile Ala Ala Asn Val Val Leu Pro Asp Asn Gly  
 645 650 655  
 Asn Ala Trp His Lys Leu Arg Ser Gly Asp Leu Ser Asp Ala Gly Arg  
 660 665 670  
 Leu Ser Ser Thr Asp Ile His Ser Glu Ser Leu Phe Ser Asp Ile Thr  
 675 680 685  
 Lys Val Asp Thr Asn Asp Leu Phe Asp Phe Glu Arg Asp Asn Ile Ser  
 690 695 700  
 Gly Asn Ser Asn Asn Ala Gly Thr Ser Thr Val His Asn Asn Ser Asn  
 705 710 715 720  
 Ile Asn Asn Pro Asn Met Asn Asn Gly Asn Asp Asn Asn Asn Val Asn  
 725 730 735  
 Thr Ala Ala Thr Lys Asn Arg Leu Ile Leu His Lys Ser Ser Lys Ile  
 740 745 750  
 Pro Ala Trp Val Pro Lys Phe Leu Ile Asp Gly Glu Ser Leu Glu Arg  
 755 760 765  
 Ile Val Arg Trp Met Ile Glu Pro Asn Tyr Glu Arg Arg Pro Thr Ala  
 770 775 780  
 Asn Gln Ile Leu Gln Thr Glu Glu Cys Leu Tyr Val Glu Met Thr Arg  
 785 790 795 800

Asn Ala Gly Ala Ile Ile Gln Glu Asp Asp Phe Gly Pro Lys Pro Lys  
                             805                            810                            815

Phe Phe Ile

<210> 159  
 <211> 809  
 <212> DNA  
 <213> Candida albicans

<400> 159  
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 ggaatgcctg tatgtagaaa tgacacgcaa tgcaggtgct attatccagg aagacgactt 180  
 tggacctaag ccaaaatttt ttatatgata aatggaacaa aaaaccttgt tttatttaca 240  
 tacttttttc ccacacgtgc ttatgggccg cattgtataa ataatccaat aacgaaaaag 300  
 agtgtaatg cagtccggta gtaataccat gtaaaacctt agatgagttt attttaagta 360  
 cagccgcttc aagcattttt atttttattt tacagatgta gcagataaca accgttaaat 420  
 tatattatat atatatatat atatatatca aatacgacgt attacatata tattgagaat 480  
 aaggggaagga tggaagacaa atgacaaaaa gtttgaagca taaatatgtt cttcgcttag 540  
 atgttcactt tggttcttct ccagtttctt ctcttagcgt tgtaacggat agtggtgttg 600  
 gttctcaatc tgatccattg tggcaatggt ctgttttgct tcttagcctt agccattttt 660  
 tgcttgattc tgaaagactt ttgagcctaa ttaaaaggga aacatatcgt gcacatacga 720  
 agtgtaaat tgtaaaaaat gttagtaaca atgttcaaac tcatcaatat gatgcattca 780  
 cggatccaag gcaataccac ctgacataa 809

<210> 160  
 <211> 102  
 <212> PRT  
 <213> Candida albicans

<400> 160  
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             20                    25                    30  
 Val Gly Ser Gln Ser Asp Pro Leu Trp Gln Trp Ser Val Leu Leu Leu  
             35                    40                    45  
 Ser Leu Ser His Phe Leu Leu Asp Ser Glu Arg Leu Leu Ser Leu Ile  
     50                    55                    60  
 Lys Arg Glu Thr Tyr Arg Ala His Thr Lys Cys Thr Ile Val Lys Asn  
     65                    70                    75                    80  
 Val Ser Asn Asn Val Gln Thr His Gln Tyr Asp Ala Phe Thr Asp Pro  
             85                    90                    95  
 Arg Gln Tyr His Leu Thr  
             100

<210> 161  
 <211> 1042  
 <212> DNA  
 <213> Candida albicans

<400> 161  
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 tcaatatattg agtttttcaa atagtggagt gtggatgtat agaggaatta cacactttta 120  
 agtatgtgat gtatgggagc acagtaccaa tttaactttt ttttttttc attttttagc 180  
 ttgattttca aaaaacttat gggcggttta ggctccggct caaactacca ccaccacgcg 240  
 gcaggccgag gcaaacagta cgccttggcg gggacgccga agcgactcct tctgttccaa 300  
 gctcaatggg ccttgcgttt acgctcgcgc gtgggctaac taacgcaatt cggcttttgg 360  
 gctgtcgaga accgagaatt attcttcgcc ttgatagata ctttaaaact tctacttaat 420  
 atactttcta caatttttgg tacattcata ttatactgaa aattcgaaaa agacaagcaa 480  
 ataaacacag atagatcaac atggctgtat gttagaaaga tattataaat cccagttaga 540  
 tgctgaactg atcaatagca aattataaac cacatccatc taaatgacct taccacctac 600  
 aatttggatt tgaaaatagaa gcaatgtgta aaatataggg aaaggattag gagtgttaac 660  
 cataactaaaa tttttcttat ccgaaacaga aatctaaagt cgccactacg cagattaaaa 720  
 tatggtcata aactgcttat tctgagaact tttggtggtc cagcgtgggt tatgtcaggt 780  
 ggtattgcct tggatccgtg aatgcatcat attgatgagt ttgaacattg ttactaacat 840  
 tttttacaat tgtacacttc gtatgtgcac gatatgtttc ctttttaatt aggctcaaaa 900  
 gtctttcaga atcaagcaaa aaatggctaa ggctaagaag caaaacagac cattgccaca 960  
 atggatcaga ttgagaacca acaacactat ccgttacaac gctaagagaa gaaactggag 1020  
 aagaaccaag atgaacatct aa 1042

<210> 162  
 <211> 51  
 <212> PRT  
 <213> Candida albicans

<400> 162  
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 20 25 30  
 Asn Thr Ile Arg Tyr Asn Ala Lys Arg Arg Asn Trp Arg Arg Thr Lys  
 35 40 45  
 Met Asn Ile  
 50

<210> 163  
 <211> 893  
 <212> DNA  
 <213> Candida albicans

<400> 163  
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 accattgagc ttggaacaga aggagtcgct tcggcgctccc cgccaaggcg tactgtttgc 120

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ctcggcctgc cgcgtgggtg tggtagtttg agccggagcc taaaacgccc ataagttttt 180
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atcacatact taaaagtgtg taattcctct atacatccac acctcactat ttgaaaaact 300
caaatattga ggacgcgcga ttaccagcgg catgtttact cgctggaaga tgtgaaataa 360
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gaccaacata catatccaag atgaccagat cttccgtttt agctgatgct ttgaatgcca 540
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atgaccacag atctggtaag attggtgttc aattgaacgg tagattgaac aagtgtgggtg 720
ttatttcccc aagattcaac gttaagattg gtgacattga aaaatggact gccaaacttgt 780
tgccagccag acaattcggg tacgtcatct tgaccacctc tgctgggtatc atggaccatg 840
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<210> 164

<211> 130

<212> PRT

<213> Candida albicans

<400> 164

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Met Thr Arg Ser Ser Val Leu Ala Asp Ala Leu Asn Ala Ile Asn Asn
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Ala Glu Lys Thr Gly Lys Arg Gln Val Leu Ile Arg Pro Ser Ser Lys
      20             25             30

Val Ile Ile Lys Phe Leu Gln Val Met Gln Lys His Gly Tyr Ile Gly
      35             40             45

Glu Phe Glu Tyr Ile Asp Asp His Arg Ser Gly Lys Ile Val Val Gln
      50             55             60

Leu Asn Gly Arg Leu Asn Lys Cys Gly Val Ile Ser Pro Arg Phe Asn
      65             70             75             80

Val Lys Ile Gly Asp Ile Glu Lys Trp Thr Ala Asn Leu Leu Pro Ala
      85             90             95

Arg Gln Phe Gly Tyr Val Ile Leu Thr Thr Ser Ala Gly Ile Met Asp
      100            105            110

His Glu Glu Ala Arg Arg Lys His Val Ser Gly Lys Ile Leu Gly Phe
      115            120            125

Val Tyr
      130

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<210> 165

<211> 4265

<212> DNA

<213> Candida albicans

<400> 165

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gtgtcattac tctagggttat ggtatcatgg catctgttgt caagggtaac gcaacctctg 180
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cagaaatact aggattaacc gattcgtggt actgccctac atgcaaggaa catcgtcagg 3480

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ctaccaaaca aatacaactt tggaatacac cagatattct gctaattcac cttaaaaggt 3540
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acgaggagga agatgtttct gatgatatga tagaatgtaa tgaagatgtg caggcccctg 4020
aatatagtaa tcgtagtttg gaggttgggc atattgaaac tcaggactgc aacgacgaag 4080
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aagtctacaa gaataattca ggcttgggtt catcgagtac gtctgaaata tctgagggat 4200
gcccgaaaaa cgaagtcgct gatttgaatt taaaaaatgg tgtgacacta gaatcgccag 4260
aataa

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<210> 166

<211> 1254

<212> PRT

<213> Candida albicans

<400> 166

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Met Gly Ser Ser Asp Val Ser Ser Arg Glu Cys Ser Leu Val Tyr Asn
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Glu Asp Pro Asp Phe Thr Asp Gly Thr Thr Pro Cys Asp Arg Leu Gly
      20              25              30

Val Asp Leu Met Asn Val Leu Asp Asp Lys Asp Glu Ile Lys Gln Glu
      35              40              45

Ser Val Pro Val Ser Asp Arg Glu Ile Glu Asp Thr Glu Ser Asp Ala
      50              55              60

Ser Ala Val Ser Ser Phe Ala Ser Ala Asn Glu Leu Ile Ala Glu Pro
      65              70              75              80

His Ala Ala Ser Glu Thr Asn Leu Gly Thr Asn Gly Gln Asp Gly Arg
      85              90              95

Asn Val Leu Glu Gln Gln Arg Asp Val Val Ala Arg Leu Ile Glu Glu
      100              105              110

Asn Lys Glu Thr Gln Lys Glu Gly Asp Lys Val Cys Ile Val Pro Lys
      115              120              125

Val Trp Tyr Asp Lys Phe Phe Asp Pro Asp Val Thr Asp Pro Glu Asp
      130              135              140

Ile Gly Pro Ile Asn Thr Arg Met Ile Cys Arg Asp Phe Glu Asn Phe
      145              150              155              160

Val Leu Glu Asp Tyr Asn Arg Cys Pro Tyr Leu Ser Ile Ala Glu Pro
      165              170              175

Val Phe Asn Phe Leu Ser Glu Ile Tyr Gly Met Thr Ser Gly Ser Tyr
      180              185              190

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Pro Val Val Thr Asn Leu Val Ile Asn Gln Thr Thr Gly Glu Leu Glu  
 195 200 205  
 Thr Glu Tyr Asn Lys Trp Phe Phe Arg Leu His Tyr Leu Thr Glu Lys  
 210 215 220  
 Gln Asp Gly Arg Lys Arg Arg His Gly Gln Asp Asp Ser Ile Met Tyr  
 225 230 235 240  
 Leu Ser Met Ser Ala Leu Asn Leu Val Arg Asp Leu Val Glu Lys Ser  
 245 250 255  
 Met Asn Leu Phe Phe Glu Lys Ala Asp His Leu Asp Val Asn Ala Val  
 260 265 270  
 Asp Phe Lys Ile Trp Phe Val Ser Glu Gly Ser Asp Ile Ala Thr Asp  
 275 280 285  
 Ser Asn Val Ser Thr Phe Leu Asn Ser Ser Tyr Glu Ile Thr Pro Leu  
 290 295 300  
 Gln Phe Leu Glu Leu Pro Ile Lys Lys Leu Leu Ile Pro Asp Met Phe  
 305 310 315 320  
 Glu Asn Arg Leu Asp Lys Ile Thr Ser Asn Pro Ser Asp Leu Val Ile  
 325 330 335  
 Glu Ile Lys Pro Ile Glu Gly Asn His His Trp Pro Ser Asn Tyr Phe  
 340 345 350  
 Ala Tyr Asn Lys Leu Glu Pro Ala Ser Gly Thr Thr Gly Leu Val Asn  
 355 360 365  
 Leu Gly Asn Thr Cys Tyr Met Asn Ser Ala Leu Gln Cys Leu Val His  
 370 375 380  
 Ile Pro Gln Leu Arg Asp Tyr Phe Leu Tyr Asp Gly Tyr Glu Asp Glu  
 385 390 395 400  
 Ile Asn Glu Glu Asn Pro Leu Gly Tyr His Gly Tyr Val Ala Arg Ala  
 405 410 415  
 Phe Ser Asp Leu Val Gln Lys Leu Phe Gln Asn Arg Met Ser Ile Met  
 420 425 430  
 Gln Arg Asn Ala Ala Phe Pro Pro Ser Met Phe Lys Ser Thr Ile Gly  
 435 440 445  
 His Phe Asn Ser Met Phe Ser Gly Tyr Met Gln Gln Asp Ser Gln Glu  
 450 455 460  
 Phe Leu Ala Phe Leu Leu Asp Ser Leu His Glu Asp Leu Asn Arg Ile  
 465 470 475 480  
 Ile Lys Lys Glu Tyr Thr Glu Lys Pro Ser Leu Ser Pro Gly Asp Asp  
 485 490 495



Val	Asn	Asp	Trp	Asn	Val	Val	Lys	Lys	Leu	Ala	Asp	Asp	Thr	Trp	Glu		
			500					505					510				
Met	His	Leu	Lys	Arg	Asn	Cys	Ser	Val	Ile	Thr	Asp	Leu	Phe	Val	Gly		
		515					520					525					
Met	Tyr	Lys	Ser	Thr	Leu	Tyr	Cys	Pro	Glu	Cys	Gln	Asn	Val	Ser	Ile		
	530					535					540						
Thr	Phe	Asp	Pro	Tyr	Asn	Asp	Val	Thr	Leu	Pro	Leu	Pro	Val	Asp	Thr		
545					550					555					560		
Val	Trp	Asp	Lys	Thr	Ile	Lys	Ile	Phe	Pro	Met	Asn	Ser	Pro	Pro	Leu		
				565					570					575			
Leu	Leu	Glu	Val	Glu	Leu	Ser	Lys	Ser	Ser	Thr	Tyr	Met	Asp	Leu	Lys		
			580					585					590				
Asn	Tyr	Val	Gly	Lys	Met	Ser	Gly	Leu	Asp	Pro	Asn	Thr	Leu	Phe	Gly		
	595						600					605					
Cys	Glu	Ile	Phe	Ser	Asn	Gln	Ile	Tyr	Val	Asn	Tyr	Glu	Ser	Thr	Glu		
	610					615					620						
Ser	Asn	Ala	Gln	Phe	Leu	Thr	Leu	Gln	Glu	Leu	Ile	Lys	Pro	Ala	Asp		
625					630					635					640		
Asp	Val	Ile	Phe	Tyr	Glu	Leu	Pro	Val	Thr	Asn	Asp	Asn	Glu	Val	Ile		
				645					650					655			
Val	Pro	Val	Leu	Asn	Thr	Arg	Ile	Glu	Lys	Gly	Tyr	Lys	Asn	Ala	Met		
			660					665					670				
Leu	Phe	Gly	Val	Pro	Phe	Phe	Ile	Thr	Leu	Lys	Glu	Asp	Glu	Leu	Asn		
	675						680					685					
Asn	Pro	Gly	Ala	Ile	Arg	Met	Lys	Leu	Gln	Asn	Arg	Phe	Val	His	Leu		
	690					695					700						
Ser	Gly	Gly	Tyr	Ile	Pro	Phe	Pro	Glu	Pro	Val	Gly	Asn	Arg	Thr	Asp		
705					710					715					720		
Phe	Ala	Asp	Ala	Phe	Pro	Leu	Leu	Val	Glu	Lys	Tyr	Pro	Asp	Val	Glu		
				725					730					735			
Phe	Glu	Gln	Tyr	Lys	Asp	Ile	Leu	Gln	Tyr	Thr	Ser	Ile	Lys	Val	Thr		
			740					745					750				
Asp	Lys	Asp	Lys	Ser	Phe	Phe	Ser	Ile	Lys	Ile	Leu	Ser	Val	Glu	Lys		
	755						760					765					
Glu	Gln	Gln	Phe	Ala	Ser	Asn	Asn	Arg	Thr	Gly	Pro	Asn	Phe	Trp	Thr		
	770					775					780						
Pro	Ile	Ser	Gln	Leu	Asn	Leu	Asp	Lys	Ala	Thr	Asp	Ile	Asp	Asp	Lys		
785					790					795					800		

Leu	Glu	Asp	Val	Val	Lys	Asp	Ile	Tyr	Asn	Tyr	Ser	Ser	Leu	Val	Asp	
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Cys	Ala	Glu	Gly	Val	Leu	Met	Gln	Val	Asp	Asp	Glu	Gly	Asp	Thr	Glu	
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Gly	Ser	Glu	Ala	Lys	Asn	Phe	Ser	Lys	Pro	Phe	Gln	Ser	Gly	Asp	Asp	
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Glu	Glu	Asn	Lys	Glu	Thr	Val	Thr	Asn	Asn	Glu	Asn	Val	Asn	Asn	Thr	
				850					855					860		
Asn	Asp	Arg	Asp	Glu	Asp	Met	Glu	Leu	Thr	Asp	Asp	Val	Glu	Glu	Asp	
				865					870					875		
Ala	Ser	Thr	Glu	Pro	Glu	Leu	Thr	Asp	Lys	Pro	Glu	Ala	Leu	Asp	Lys	
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Ile	Lys	Asp	Ser	Leu	Thr	Ser	Thr	Pro	Phe	Ala	Ile	Leu	Ser	Met	Asn	
				900					905					910		
Asp	Ile	Ile	Val	Cys	Glu	Trp	Ser	Glu	Leu	Gly	Ser	Asn	Glu	Ala	Phe	
				915					920					925		
Ser	Asp	Asp	Lys	Ile	Tyr	Asn	Trp	Glu	Asn	Pro	Ala	Thr	Leu	Pro	Asn	
				930					935					940		
Lys	Glu	Leu	Glu	Asn	Ala	Lys	Leu	Glu	Arg	Ser	Asn	Ala	Lys	Glu	Arg	
				945					950					955		
Thr	Ile	Thr	Leu	Asp	Asp	Cys	Leu	Gln	Leu	Phe	Ser	Lys	Pro	Glu	Ile	
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Leu	Gly	Leu	Thr	Asp	Ser	Trp	Tyr	Cys	Pro	Thr	Cys	Lys	Glu	His	Arg	
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Gln	Ala	Thr	Lys	Gln	Ile	Gln	Leu	Trp	Asn	Thr	Pro	Asp	Ile	Leu	Leu	
				995					1000					1005		
Ile	His	Leu	Lys	Arg	Phe	Glu	Ser	Gln	Arg	Ser	Phe	Ser	Asp	Lys	Ile	
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Asp	Ala	Thr	Val	Asn	Phe	Pro	Ile	Thr	Asp	Leu	Asp	Leu	Ser	Arg	Tyr	
				1025					1030					1035		
Val	Val	Tyr	Lys	Asp	Asp	Pro	Arg	Gly	Leu	Ile	Tyr	Asp	Leu	Tyr	Ala	
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Val	Asp	Asn	His	Tyr	Gly	Gly	Leu	Gly	Gly	Gly	His	Tyr	Thr	Ala	Tyr	
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Val	Lys	Asn	Phe	Ala	Asp	Asn	Lys	Trp	Tyr	Tyr	Phe	Asp	Asp	Ser	Arg	
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Val	Thr	Glu	Thr	Ala	Pro	Glu	Asn	Ser	Ile	Ala	Gly	Ser	Ala	Tyr	Leu	
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175

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 1125 1130 1135  
 Ile Lys Lys Ile Tyr Asp Glu Gln Met Lys Leu Tyr Glu Phe Asn Lys  
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 1155 1160 1165  
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 1170 1175 1180  
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 Lys Asn Asn Ser Gly Leu Gly Ser Ser Ser Thr Ser Glu Ile Ser Glu  
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 Thr Leu Glu Ser Pro Glu  
 1250

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 <211> 3146  
 <212> DNA  
 <213> Candida albicans

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 gcagcctggc aagcagcgaa ggccatctgt gctgcatttc cacactcctt gtatgactgc 180  
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 gggtctcttc tcttcttatt tcgttattgt cttccctttt tactatgggt aaagtgcgcc 300  
 taaagcgggg cgctcacaat atcgccgcag ctacagccgt tttttttttt tttgtttttt 360  
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&lt;210&gt; 168

&lt;211&gt; 881

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 168

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Asn His Tyr Met Asp Tyr Ser Glu Leu Lys Asn Leu Ile Tyr Thr Leu
 20             25             30

Gln Thr Asp Glu Leu Gln Val Gly Asp Asn Glu Glu Gly Phe Gly Ala
 35             40             45

Gly Lys Ser Ser Asn Ile Thr Asp Arg Phe Lys Asn Lys Phe Ser Phe
 50             55             60

Lys Asn Ala Lys Glu Asp Thr Ser Ser Gly Met Asn Lys Asp Ala Gly
 65             70             75             80

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Ile	Val	Glu	Glu	Thr	Ile	Glu	Leu	Arg	Glu	Leu	Pro	Thr	Ala	Gln	Thr	85	90	95
Val	Ala	Ala	Lys	Pro	Ser	Pro	Phe	Arg	Arg	Met	Lys	Glu	Lys	Ile	Phe	100	105	110
Tyr	Lys	Arg	Arg	Ser	Ser	Ser	Ala	Ser	Ser	Val	Ser	Ser	Thr	Ala	Asn	115	120	125
Glu	Asn	Leu	Gln	Leu	Asp	Thr	Tyr	Asp	Thr	Phe	Val	Gly	Asp	Leu	Thr	130	135	140
Ala	Glu	Lys	Gln	Lys	Val	Asp	Asp	Phe	Tyr	Lys	Arg	Thr	Glu	Ala	Lys	145	150	155
Phe	Tyr	Asp	Lys	Phe	Asp	Ala	Leu	Val	Lys	Asp	Leu	Lys	Lys	Ile	Gly	165	170	175
Val	Ile	Glu	Tyr	Asp	Ile	Asp	Asp	Asp	Thr	Leu	Phe	Asn	Glu	Pro	Ile	180	185	190
Ala	Ser	Thr	Asn	Asp	Glu	Val	Pro	Pro	Leu	Asp	Leu	Asp	Asp	Asp	Glu	195	200	205
Asp	Asp	Asp	Glu	Phe	Tyr	Asp	Asp	Gln	Ser	Asn	Ile	Glu	Asp	Asn	Thr	210	215	220
Ala	Leu	Leu	His	His	Ser	Gln	Tyr	Asn	Ile	Lys	Ser	Gln	Lys	Lys	Ser	225	230	235
Leu	Leu	Lys	Lys	Ser	Ile	Val	Asn	Leu	Tyr	Ile	Asp	Leu	Cys	Gln	Leu	245	250	255
Lys	Ser	Phe	Ile	Glu	Leu	Asn	Arg	Ile	Gly	Phe	Ala	Lys	Ile	Thr	Lys	260	265	270
Lys	Ser	Asp	Lys	Val	Leu	His	Leu	Asn	Thr	Arg	Thr	Glu	Leu	Ile	Glu	275	280	285
Ser	Glu	Gln	Phe	Phe	Lys	Asp	Thr	Tyr	Ala	Phe	Gln	Ala	Glu	Thr	Ile	290	295	300
Glu	Leu	Leu	Asn	Ser	Lys	Ile	Ser	Gln	Leu	Val	Thr	Phe	Tyr	Ala	Arg	305	310	315
Ile	Thr	Asp	Arg	Pro	His	Asn	Ile	Ser	His	Ser	Lys	Gln	Glu	Leu	Lys	325	330	335
Ser	Tyr	Leu	His	Asp	His	Ile	Val	Trp	Glu	Arg	Ser	Asn	Thr	Trp	Lys	340	345	350
Asp	Met	Leu	Gly	Leu	Leu	Ser	Gln	Ala	Asp	Glu	Leu	Thr	Pro	Lys	Glu	355	360	365
Thr	Glu	Tyr	Asn	Ala	Asn	Lys	Leu	Val	Gly	Lys	Leu	Asp	Leu	Glu	Tyr	370	375	380

Tyr Arg Trp Pro Leu Pro Arg Pro Ile Asn Leu Lys Phe Thr Ser Ile  
 385 390 395 400  
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 Ile Tyr Phe Ile Ile Leu Val Thr Gly Leu Leu Leu Gly Ile Lys Thr  
 420 425 430  
 Phe Asn Asp Ala Ala Gln His Arg Cys Met Ala Leu Val Glu Cys Val  
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 Ala Phe Leu Trp Ala Ser Glu Ala Ile Pro Leu His Ile Thr Ala Phe  
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 465 470 475 480  
 Gly Ala Ile Met Ser Ala Ala Ser Ala Ser Ser Glu Ile Leu Ala Ala  
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 Met Trp Ser Ser Thr Ile Met Ile Leu Leu Ala Gly Phe Thr Leu Gly  
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 Ser Met Ser Tyr Leu Lys Pro Tyr Gly Ile Gly Trp Gly Gln Phe Phe  
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 645 650 655  
 Lys Pro Ile Lys Thr Lys Phe Thr Val Lys Gln Tyr Tyr Ile Ile Thr  
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 Val Thr Val Ala Thr Ile Leu Leu Trp Cys Val Glu Ser Gln Ile Glu  
 675 680 685

Gly Ala Phe Gly Ser Ser Gly Gln Ile Ala Ile Ile Pro Ile Val Leu  
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 Phe Phe Gly Thr Gly Leu Leu Ser Thr Gln Asp Leu Asn Ala Phe Pro  
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 Val Ser Ser Ser Gly Leu Leu Ser Thr Ile Ala Lys Ala Leu Gln Lys  
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 Ile Ile Ile Pro Leu Val Gln Glu Val Gly Asp Lys Leu Gly Asn Pro  
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 Gly Met Gly Leu Ala Ser Ser Gly Phe Pro Asn Val Thr Ala Ile Ser  
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 Lys Val Asp Arg Lys Gly Asp Arg Tyr Leu Ser Val Met Thr Phe Leu  
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 Thr Arg Gly Val Pro Ala Ser Ile Leu Ala Phe Leu Cys Val Ile Thr  
 850 855 860  
 Leu Gly Tyr Gly Ile Met Ala Ser Val Val Lys Gly Asn Ala Thr Ser  
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 Ala

&lt;210&gt; 169

&lt;211&gt; 2093

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 169

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&lt;210&gt; 170

&lt;211&gt; 530

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 170

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Met Lys Glu Asn Asp Met Asn Asn Gly Val Asp Lys Trp Val Asn Glu
  1             5             10             15

Glu Asp Gly Arg Asn Asp His His Asn Asn Asn Asn Asn Leu Met Lys
          20             25             30

Lys Ala Met Met Asn Asn Glu Gln Ile Asp Arg Thr Gln Asp Ile Asp
      35             40             45

Asn Ala Lys Glu Met Leu Arg Lys Ile Ser Ser Glu Ser Ser Ser Arg
      50             55             60

Arg Ser Ser Leu Leu Asn Lys Asp Ser Ser Leu Val Asn Gly Asn Ala
      65             70             75             80

Asn Ser Gly Gly Gly Thr Ser Ile Asn Gly Thr Arg Gly Ser Ser Lys
          85             90             95

Ser Ser Asn Thr His Phe Gln Tyr Ala Ser Thr Ala Tyr Gly Val Arg
      100             105             110

Met Leu Ser Lys Asp Ile Ser Asn Thr Lys Val Glu Leu Asp Val Glu
      115             120             125

```



Asn	Leu	Met	Ile	Val	Thr	Lys	Leu	Asn	Asp	Val	Ser	Leu	Tyr	Phe	Leu	130	135	140
Thr	Arg	Glu	Leu	Val	Glu	Trp	Val	Leu	Val	His	Phe	Pro	Arg	Val	Thr	145	150	155
Val	Tyr	Val	Asp	Ser	Glu	Leu	Lys	Asn	Ser	Lys	Lys	Phe	Ala	Ala	Gly	165	170	175
Glu	Leu	Cys	Glu	Asp	Ser	Lys	Cys	Arg	Glu	Ser	Arg	Ile	Lys	Tyr	Trp	180	185	190
Thr	Lys	Asp	Phe	Ile	Arg	Glu	His	Asp	Val	Phe	Phe	Asp	Leu	Val	Val	195	200	205
Thr	Leu	Gly	Gly	Asp	Gly	Thr	Val	Leu	Phe	Val	Ser	Ser	Ile	Phe	Gln	210	215	220
Arg	His	Val	Pro	Pro	Val	Met	Ser	Phe	Ser	Leu	Gly	Ser	Leu	Gly	Phe	225	230	235
Leu	Thr	Asn	Phe	Lys	Phe	Glu	His	Phe	Arg	Glu	Asp	Leu	Pro	Arg	Ile	245	250	255
Met	Asn	His	Lys	Ile	Lys	Thr	Asn	Leu	Arg	Leu	Arg	Leu	Glu	Cys	Thr	260	265	270
Ile	Tyr	Arg	Arg	His	Arg	Pro	Glu	Val	Asp	Pro	Asn	Thr	Gly	Lys	Lys	275	280	285
Ile	Cys	Val	Val	Glu	Lys	Leu	Ser	Thr	His	His	Ile	Leu	Asn	Glu	Val	290	295	300
Thr	Ile	Asp	Arg	Gly	Pro	Ser	Pro	Phe	Leu	Ser	Met	Leu	Glu	Leu	Tyr	305	310	315
Gly	Asp	Gly	Ser	Leu	Met	Thr	Val	Ala	Gln	Ala	Asp	Gly	Leu	Ile	Ala	325	330	335
Ala	Thr	Pro	Thr	Gly	Ser	Thr	Ala	Tyr	Ser	Leu	Ser	Ala	Gly	Gly	Ser	340	345	350
Leu	Val	Cys	Pro	Thr	Val	Asn	Ala	Ile	Ala	Leu	Thr	Pro	Ile	Cys	Pro	355	360	365
His	Ala	Leu	Ser	Phe	Arg	Pro	Ile	Ile	Leu	Pro	Glu	Ser	Ile	Asn	Leu	370	375	380
Lys	Val	Lys	Val	Ser	Met	Lys	Ser	Arg	Ala	Pro	Ala	Trp	Ala	Ala	Phe	385	390	395
Asp	Gly	Lys	Asp	Arg	Ile	Glu	Leu	Gln	Lys	Gly	Asp	Phe	Ile	Thr	Ile	405	410	415
Cys	Ala	Ser	Pro	Tyr	Ala	Phe	Pro	Thr	Val	Glu	Ala	Ser	Pro	Asp	Glu	420	425	430

Phe Ile Asn Ser Ile Ser Arg Gln Leu Asn Trp Asn Val Arg Glu Gln  
           435                                  440                                  445  
 Gln Lys Ser Phe Thr His Ile Leu Ser Gln Lys Asn Gln Glu Lys Tyr  
           450                                  455                                  460  
 Ala His Glu Ala Asn Lys Val Arg Asn Gln Ala Glu Pro Leu Glu Val  
           465                                  470                                  475                                  480  
 Ile Arg Asp Lys Tyr Ser Leu Glu Ala Asp Ala Thr Lys Glu Asn Asn  
                                   485                                  490                                  495  
 Asn Gly Ser Asp Asp Glu Ser Asp Asp Glu Ser Val Asn Cys Glu Ala  
                                   500                                  505                                  510  
 Cys Lys Leu Lys Pro Ser Ser Val Pro Lys Pro Ser Gln Ala Arg Phe  
           515                                  520                                  525  
 Ser Val  
           530

<210> 171  
 <211> 1255  
 <212> DNA  
 <213> Candida albicans

<400> 171  
 aggttggtggt cttcaatgat gggcaatgca atttggcggt aagcgcctga gcaataagggt 60  
 aacagcgaaa tttatgacat attatttcga accttttaca aactagtaga tttagtgtt 120  
 tattacctat tggcattcat ttgtgttcta tatgtggatg aggatagccg cctttcttct 180  
 catcggaggc catatcatct ttcgacaatc ctttttaaat actatttcca tccgtgcctc 240  
 taatagattt gtgtagtgt ctgggtgcaa tctttccatt ttgctgaac tttttttttt 300  
 ttttcatggt tttcagattc tgaagtaccg caataggata tggcggataa tccgccatat 360  
 gatccgcctc atactagcca ttacccatct atcccaggca ttatgggtat gcaactcata 420  
 atctcaaata cacaaataag agcaacctta tatatcactt tttcccgttc agcaagagggt 480  
 aaagccacca aaggttcaaa atgcaaattg atgttacggc gaatacagaa tactatgttc 540  
 gaaataatat gaggattata cgatagcaaa aaagccataa acgaaagaca taaatggaaa 600  
 atgattgaca agctcacaat ttattaaaca agtagcaatt gagaaaaact attactcgcg 660  
 gcaagcttct gagtttacct taaatctgta gagcaaattg aaaatgtcgc atatgtgctg 720  
 aagggtttgt ttgttccatc ttattttgca taacatagtt atatttactt ggtcgcataa 780  
 aaaatatttt ttactaacgt gaagtttctt tctttatgat gtacgcacgc acgtctgtgc 840  
 ttactccata aatgaactta ttccaatttt gtacagcttc gttaagactt tgactggtaa 900  
 gaccatcact ttggaagttg aatcttctga caccattgac aatgtcaagt ccaagatcca 960  
 agacaaggaa ggtatcccac ctgaccaaca aagattgatc ttgctggtta agcaattgga 1020  
 agacggtaga actctatctg actacaacat ccaaaaggaa tccactttac atttgggtctt 1080  
 gagattaaga ggtggtatca ttgaaccatc tttgaaagcc ttggcttcca aatacaactg 1140  
 tgacaaatct gtttgtcgta aatgttacgc cagattacca ccaagagcta ccaactgtag 1200  
 aaagagaaaag tgtggtcaca ccaaccaatt gcgtccaaag aagaagttga aataa 1255

<210> 172  
 <211> 128  
 <212> PRT  
 <213> Candida albicans

&lt;400&gt; 172

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Met Gln Ile Phe Val Lys Thr Leu Thr Gly Lys Thr Ile Thr Leu Glu
 1           5           10           15

Val Glu Ser Ser Asp Thr Ile Asp Asn Val Lys Ser Lys Ile Gln Asp
          20           25           30

Lys Glu Gly Ile Pro Pro Asp Gln Gln Arg Leu Ile Phe Ala Gly Lys
          35           40           45

Gln Leu Glu Asp Gly Arg Thr Leu Ser Asp Tyr Asn Ile Gln Lys Glu
          50           55           60

Ser Thr Leu His Leu Val Leu Arg Leu Arg Gly Gly Ile Ile Glu Pro
          65           70           75           80

Ser Leu Lys Ala Leu Ala Ser Lys Tyr Asn Cys Asp Lys Ser Val Cys
          85           90           95

Arg Lys Cys Tyr Ala Arg Leu Pro Pro Arg Ala Thr Asn Cys Arg Lys
          100          105          110

Arg Lys Cys Gly His Thr Asn Gln Leu Arg Pro Lys Lys Lys Leu Lys
          115          120          125

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&lt;210&gt; 173

&lt;211&gt; 1175

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 173

```

agctctcaaa caactaatac tataagttca agtacaagca caggaggtgt aggttcagtc 60
aagccatgtc ttacttcgt tttaatgtta gaaacaatcg cttatttggt ttcttaaaca 120
aatatattag gttcaagggtc ttgcaggtg taagaaaacc cgtggtctcc atattcttaa 180
gtatgataaa taaaaaaaaa cttaataaat tattaattgc ttcaaaccct tttctttttt 240
tagtttttaa tatttcaaac gttatcttca ttgaacgccc aaatagggaa aaatcctggc 300
aaatttttta ttgctgtcat ccaaggctat gctagaaaat tcaagagctt ggatgattta 360
aaaagacact ctcaatcgag aaagtttatt ctttgttatt ctgctttacc tgatcatatt 420
ccggcgtatt gtttctaate aagtgatttc gatatccagt tacgaaccat ttacaacatt 480
cctgaaaata ttgcgtatca atgatatttg ctcttcttt ctccctcatt aaaaatattc 540
tcctggtaag ctttctaate agccacaggt ttgctgccaa aactttaacg tctagttcca 600
atgacgatac acttgccagg tccgcagctg cagatgcaga catggcattc ttcatggagt 660
ttttaaacga tttcgacacc gttttccac agtatacctc atacatgatg caaaaccatt 720
taaccctacc tcaacctgtt gctgactact actatcacat gggtgatttg gcctcaacag 780
cagatttaca atctgatatt gctcagaggt ttccgttcac tcaattccaa acattcatta 840
cggcctttcc atggtatacc tctttgctaa acaaagcctc cgccaccacc atataccttc 900
cccaacactt cataacaggt gagacagaag ctaccatgac taactcatct tatgccagcc 960
aaaaaaaactc cgtttccaat tctgttcctt tctcgacagc gaacgcaggc cagtccatga 1020
tttccatggc taatgaagaa aacagtacaa cagcacttat atccgcatca aactcttctt 1080
caacatccag aactagtcaa tcacagaatg gtgcccattg caaaagctta tatttcccca 1140
tggcgttggt cggaatcttt gcagttgccc ttttaa 1175

```

184

<210> 174  
 <211> 224  
 <212> PRT  
 <213> Candida albicans

<400> 174

Met Ile Phe Ala Pro Ser Phe Ser Leu Ile Lys Asn Ile Leu Leu Val  
 1 5 10 15  
 Ser Phe Leu Ile Ser His Ser Phe Ala Ala Lys Thr Leu Thr Ser Ser  
 20 25 30  
 Ser Asn Asp Asp Thr Leu Ala Arg Ser Ala Ala Ala Asp Ala Asp Met  
 35 40 45  
 Ala Phe Phe Met Glu Phe Leu Asn Asp Phe Asp Thr Ala Phe Pro Gln  
 50 55 60  
 Tyr Thr Ser Tyr Met Met Gln Asn His Leu Thr Leu Pro Gln Pro Val  
 65 70 75 80  
 Ala Asp Tyr Tyr Tyr His Met Val Asp Leu Ala Ser Thr Ala Asp Leu  
 85 90 95  
 Gln Ser Asp Ile Ala Gln Ser Phe Pro Phe Thr Gln Phe Gln Thr Phe  
 100 105 110  
 Ile Thr Ala Phe Pro Trp Tyr Thr Ser Leu Leu Asn Lys Ala Ser Ala  
 115 120 125  
 Thr Thr Ile Tyr Leu Pro Gln His Phe Ile Thr Gly Glu Thr Glu Ala  
 130 135 140  
 Thr Met Thr Asn Ser Ser Tyr Ala Ser Gln Lys Asn Ser Val Ser Asn  
 145 150 155 160  
 Ser Val Pro Phe Ser Thr Ala Asn Ala Gly Gln Ser Met Ile Ser Met  
 165 170 175  
 Ala Asn Glu Glu Asn Ser Thr Thr Ala Leu Ile Ser Ala Ser Asn Ser  
 180 185 190  
 Ser Ser Thr Ser Arg Thr Ser Gln Ser Gln Asn Gly Ala His Ala Lys  
 195 200 205  
 Ser Leu Tyr Phe Pro Met Ala Leu Phe Gly Ile Phe Ala Val Ala Leu  
 210 215 220

<210> 175  
 <211> 1618

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 175

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aatatttccc tttttacatc cgtacatata aaatgtaaac ccatgcattc atgacaattt 120
tacctatttc ttaaaggcct ttgtcacttc tttatgggaa tggcgctact ttaattttcc 180
gcctactttg aaaaatttac caaggcgaaa ttgagtgcgc taggcggaag ttccagggca 240
cggtcaccga acctttgtgc tgtttcgaac gaggggtccc ctggagggtg acggacgcgg 300
gaggagctgg aaagatggaa tgggaaggact gcaacactca gtaagaaggt tcgtggtagg 360
gaacatcacc ttctctagtt cctgtaaaaa taatatgata aagtttgaat cctcgtattg 420
aaaaatcgcg agttattaag tgtgtaattt agaataccga aatagcacia gaagagataa 480
gataagatac tgataggata atgtctttac cagctacttt tgatttgact ccagaggatg 540
cccaactttt gttggccgct aacacccatt taggtgctag aaacgttcaa gtatgtacac 600
atatcccata cgattatggt ctatagatga taataggtct cgaaaagaat atgtccccga 660
tttaatacata tttggagggtc agaggaccaa aggtaatttc agaggaattt tgaacacgcc 720
gggttttagaa gagttagaat ttcacttctt agtgagggtg aggagaagaa actcaataag 780
aatatacatc ctgcactgtg tcaaagatta tgaactccga tgaaacagta aaacgtcaaa 840
aaattccacg ggatataatt cgggtacttta ttggatatgg aagaaaacat tatatatgca 900
caaatgaacg ctcttactaa cataatttat ctttcctctc tttttttagg tccaccaaga 960
accatacggt ttcaatgcta gaccagatgg tgttcacggt atcaatggtg gtaagacctg 1020
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tttcaaggaa ccaagattgg ttattgttac cgacccaaga ttagacgctc aggccattaa 1260
ggaagcttct tacgttaaca ttccagtcac tgctttgact gatttggact ccccatctga 1320
atattgttgat gtcgccatcc catgtaacaa cagaggtaag cactccatcg gtttaatctg 1380
gtacttgttg gctagagaag ttttgagact aagaggtgct ttggtcgaca gaactcaacc 1440
atgggtccatc atgccagatt tgtacttcta cagaaacca gaagaagttg agcaagttgc 1500
tgaagaagct gctgccgctg aagaaggtga agaagaagaa gttaaggaag aagtcactga 1560
aggtcaagct gaagctactg aatgggctga agaaaatgca gacaacgttg aatggtaa 1618

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&lt;210&gt; 176

&lt;211&gt; 252

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 176

```

Met Ser Leu Pro Ala Thr Phe Asp Leu Thr Pro Glu Asp Ala Gln Leu
 1                5                10                15

Leu Leu Ala Ala Asn Thr His Leu Gly Ala Arg Asn Val Gln Val His
      20                25                30

Gln Glu Pro Tyr Val Phe Asn Ala Arg Pro Asp Gly Val His Val Ile
      35                40                45

Asn Val Gly Lys Thr Trp Glu Lys Leu Val Leu Ala Ala Arg Ile Ile
      50                55                60

Ala Ala Ile Pro Asn Pro Glu Asp Val Val Ala Ile Ser Ser Arg Thr
      65                70                75                80

Tyr Gly Gln Arg Ala Val Leu Lys Phe Ala Ala His Thr Gly Ala Thr
      85                90                95

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186

Pro Ile Ala Gly Arg Phe Thr Pro Gly Ser Phe Thr Asn Tyr Ile Thr  
                   100                                  105                                  110  
 Arg Ser Phe Lys Glu Pro Arg Leu Val Ile Val Thr Asp Pro Arg Leu  
                   115                                  120                                  125  
 Asp Ala Gln Ala Ile Lys Glu Ala Ser Tyr Val Asn Ile Pro Val Ile  
                   130                                  135                                  140  
 Ala Leu Thr Asp Leu Asp Ser Pro Ser Glu Phe Val Asp Val Ala Ile  
                   145                                  150                                  155                                  160  
 Pro Cys Asn Asn Arg Gly Lys His Ser Ile Gly Leu Ile Trp Tyr Leu  
                                   165                                  170                                  175  
 Leu Ala Arg Glu Val Leu Arg Leu Arg Gly Ala Leu Val Asp Arg Thr  
                   180                                  185                                  190  
 Gln Pro Trp Ser Ile Met Pro Asp Leu Tyr Phe Tyr Arg Asn Pro Glu  
                   195                                  200                                  205  
 Glu Val Glu Gln Val Ala Glu Glu Ala Ala Ala Ala Glu Glu Gly Glu  
                   210                                  215                                  220  
 Glu Glu Glu Val Lys Glu Glu Val Thr Glu Gly Gln Ala Glu Ala Thr  
                   225                                  230                                  235                                  240  
 Glu Trp Ala Glu Glu Asn Ala Asp Asn Val Glu Trp  
                                   245                                  250

&lt;210&gt; 177

&lt;211&gt; 2345

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 177

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 tccatgcttg ctaacttatt accgtcaata gaagacttga gtcaggtggc tttaatgagt 180  
 actattcttt ttttttttcc aaagagcact atgttgataa taccgcagta attttttttg 240  
 agtatcctgt agcctagaaa ggttgaagct tataaaaccg tgccaacagc tttatagtgg 300  
 ggagtttggc ttccctctat ttgtatattg atcgccatcc ctacgaagtt attgggaacg 360  
 catcgtgaac ctctcacttt aatgccagcg gtagaaaaaa aagtcataaa caatacacgc 420  
 cggctacact tagaaagaaa tgacatttgc tgtcttataa aaggacttga cagaccaaag 480  
 acgcgtataa tacaccaaga atggccttat tggagaagtt gcacgaagg attgttgata 540  
 tggggcttgt cccgcgtata atcgcccttat taccagttat ttccatgcta tgcgctctat 600  
 ttgggtttat ttctatagct attctgccta tggatggaca gtacagaaga acatacattt 660  
 ctgagaatgc attgatgcct tcacaagcgt atagtactt tagagaatct gaatggaaca 720  
 ttttgagggg caaattaaag aaattgtaaa catgacttct atggaaagaa 780  
 acaatttgat ggggttcttg ttacaagaat ttggtactaa gactgctatt tacgaaaatg 840  
 aacaatatgg agaaacattg tacggtgtaa tgcacgctcc taggggtgat ggaacagaag 900  
 cgatggtgct tgccgttcca tggtttaatt cagatgatga attcaatatt ggcggcgag 960  
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 ttgttgtctt cagcgaaaat cctcgtgcag cattaagatc atgggttgag gcataccata 1080  
 cttccttaga ttgactggt ggttccattg aagctgctgt tgtgttgat tattcgagta 1140

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atttggatct tgtcaacatc gctatatcca ttacggaaca tgaaggatg aaagtttctt 1260
tgcacggtct acccagtgat cagttaacta ataataattt ctggtcaaga ttaaaaaatat 1320
tatgcctggg aataagggat tgggcgttgt ccggtgttaa aaagcccat ggtaacgagg 1380
catttagcgg ctggaggatt caatctgtaa cattgaaagc acatggaaac agtgggcatg 1440
atattactac atttggacgt ataccggaag caatgtttcg ctctattaat aaccttttgg 1500
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taaaaaattt agtactatta attttgacaa atccatttat ttcaataacc ttattcggac 2160
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tggatttgaa atgttgaggt tggtttgtag tttgtatagg ttggcttcca tgttggttat 2280
tgatattagc gtcacggtt gaactctaat ctgtcgtagt aaggtcgaaa gaaaagcaaa 2340
gtagg                                     2345

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&lt;210&gt; 178

&lt;211&gt; 614

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 178

```

Met Ala Leu Leu Glu Lys Leu His Arg Arg Ile Val Asp Met Gly Leu
  1                      5                      10                      15

Val Pro Arg Ile Ile Ala Leu Leu Pro Val Ile Ser Met Leu Cys Ala
                20                      25                      30

Leu Phe Gly Phe Ile Ser Ile Ala Ile Leu Pro Met Asp Gly Gln Tyr
  35                      40                      45

Arg Arg Thr Tyr Ile Ser Glu Asn Ala Leu Met Pro Ser Gln Ala Tyr
  50                      55                      60

Ser Tyr Phe Arg Glu Ser Glu Trp Asn Ile Leu Arg Gly Tyr Arg Ser
  65                      70                      75                      80

Gln Ile Lys Glu Met Val Asn Met Thr Ser Met Glu Arg Asn Asn Leu
                85                      90                      95

Met Gly Ser Trp Leu Gln Glu Phe Gly Thr Lys Thr Ala Ile Tyr Glu
                100                      105                      110

Asn Glu Gln Tyr Gly Glu Thr Leu Tyr Gly Val Met His Ala Pro Arg
  115                      120                      125

Gly Asp Gly Thr Glu Ala Met Val Leu Ala Val Pro Trp Phe Asn Ser
  130                      135                      140

Asp Asp Glu Phe Asn Ile Gly Gly Ala Ala Leu Gly Val Ser Leu Ala

```

145		150		155		160
Arg Phe Phe Ser	Arg Trp Pro Val	Trp Ser Lys Asn Ile	Ile Val Val			
	165		170		175	
Phe Ser Glu Asn Pro	Arg Ala Ala Leu	Arg Ser Trp Val	Glu Ala Tyr			
	180		185		190	
His Thr Ser Leu Asp	Leu Thr Gly Gly	Ser Ile Glu Ala	Ala Val Val			
	195		200		205	
Leu Asp Tyr Ser Ser	Thr Glu Asp Phe	Phe Glu Tyr Val	Glu Ile Ser			
	210		215		220	
Tyr Asp Gly Leu Asn	Gly Glu Leu Pro	Asn Leu Asp Leu	Val Asn Ile			
	225		230		235	
Ala Ile Ser Ile Thr	Glu His Glu Gly	Met Lys Val Ser	Leu His Gly			
	245		250		255	
Leu Pro Ser Asp Gln	Leu Thr Asn Asn	Asn Phe Trp Ser	Arg Leu Lys			
	260		265		270	
Ile Leu Cys Leu Gly	Ile Arg Asp Trp	Ala Leu Ser Gly	Val Lys Lys			
	275		280		285	
Pro His Gly Asn Glu	Ala Phe Ser Gly	Trp Arg Ile Gln	Ser Val Thr			
	290		295		300	
Leu Lys Ala His Gly	Asn Ser Gly His	Asp Ile Thr Thr	Phe Gly Arg			
	305		310		315	
Ile Pro Glu Ala Met	Phe Arg Ser Ile	Asn Asn Leu Leu	Glu Lys Phe			
	325		330		335	
His Gln Ser Phe Phe	Phe Tyr Leu Leu	Leu Ala Pro Arg	Gln Phe Val			
	340		345		350	
Ser Ile Ser Ser Tyr	Leu Pro Ser Ala	Val Ala Leu Ser	Ile Ala Phe			
	355		360		365	
Ala Ile Ser Ser Leu	Asn Ala Phe Ile	Asn Asn Ala Tyr	Ala Asn Ile			
	370		375		380	
Ser Leu Phe Ser Glu	Tyr Asn Leu Val	Ala Leu Leu Val	Trp Phe Val			
	385		390		395	
Ser Leu Val Ile Ser	Phe Val Val Ser	Gln Ala Phe Leu	Leu Ile Pro			
	405		410		415	
Ser Ser Gly Leu Leu	Met Thr Ile Ser	Met Ala Ser Cys	Phe Leu Pro			
	420		425		430	
Leu Ile Leu Ser Arg	Lys Ile His Ile	Ser Glu Pro Leu	Ser Tyr Arg			
	435		440		445	
Leu Lys Asn Val Ala	Phe Leu Tyr Phe	Ser Leu Val Ser	Thr Ser Leu			



450	455	460
Leu Met Ile Asn Phe	Ala Met Ala Leu Leu Ile Gly Thr Leu Ala Phe	
465	470	475 480
Pro Met Thr Phe Val Lys Thr Ile Val Glu Ser Ser Ser Glu His Glu		
	485	490 495
Val Thr Thr Gln Ser Ser Asn Pro Ile Lys Thr Glu Pro Lys Asp Glu		
	500	505 510
Ile Glu Leu Val Glu Asn His Met Asp Thr Thr Pro Ala Thr Pro Gln		
	515	520 525
Gln Gln Lys Gln Lys Leu Lys Asn Leu Val Leu Leu Ile Leu Thr Asn		
	530	535 540
Pro Phe Ile Ser Ile Thr Leu Phe Gly Leu Phe Phe Asp Asp Glu Phe		
	545	550 555 560
His Gly Phe Asp Ile Ile Asn Lys Leu Val Ser Ala Trp Leu Asp Leu		
	565	570 575
Lys Cys Trp Ser Trp Phe Val Leu Cys Ile Gly Trp Leu Pro Cys Trp		
	580	585 590
Leu Leu Ile Leu Ala Ser Ser Phe Glu Ser Lys Ser Val Val Val Arg		
	595	600 605
Ser Lys Glu Lys Gln Ser		
	610	

<210> 179  
 <211> 845  
 <212> DNA  
 <213> Candida albicans

<400> 179

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ttagcaatgt	aattatatta	aaaagatctt	cagtcactat	gagtgggtga	ttgccccata	180
gagagctata	agccgacgtg	aaagctgctg	gttccagctt	ggctcatgtc	gtcaccagtc	240
actagtcact	tggtcgcatt	cattgctact	catctgcgag	tgagcatatt	tgagatctga	300
cttgccaagg	gattagaatc	acgtaagact	cttgatcctt	agaagatatt	tctgacaaaag	360
aaccacctaa	gccatgcaag	tttttttttt	catttggtgg	cgaaacaaaag	gtgatgaaaag	420
tttcttcttg	tacaaacgcc	aagcccgata	ggtgagacaa	ttcttgaagt	aatggacctc	480
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gcaactcgcg	cagtggcgct	aaaaaactaa	taagtaaaca	ccactggctt	ccggaatact	600
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ctacaatcat	atcttgtatg	cggcccgcaa	accaagagat	ttatcctttg	agacattgtg	720
agaccctccg	ttcgcaaccg	tgtctctgt	tttcatcact	atatgcacgc	tctttccaaa	780
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cctaa						845

190

<210> 180  
 <211> 114  
 <212> PRT  
 <213> Candida albicans

<400> 180  
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 Arg Ser Gly Val Lys Lys Leu Ile Ser Lys His His Trp Leu Pro Glu  
           20                  25                  30  
 Tyr Tyr Phe Ser Asp Leu Ser Phe Ser Val Val Gln Gln Trp Asp Ser  
           35                  40                  45  
 Arg Ala Ile Glu Lys Thr Thr Ile Ile Ser Cys Met Arg Pro Ala Asn  
           50                  55                  60  
 Gln Glu Ile Tyr Pro Leu Arg His Cys Glu Thr Leu Arg Ser Gln Pro  
           65                  70                  75                  80  
 Cys Ser Leu Phe Ser Ser Leu Tyr Ala Arg Ser Phe Gln Ser Ser Cys  
                   85                  90                  95  
 Thr Leu His Val Ala Glu Pro Ser Pro Gly Phe His Met Tyr Gly Cys  
           100                  105                  110  
 His Thr

<210> 181  
 <211> 959  
 <212> DNA  
 <213> Candida albicans

<400> 181  
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 atcgataata aatattctac aaaaccttta tcaatagtgg tgaagtcttt agtgcgatct 180  
 acctgggggtt aatgaacgag aagttcttga gatattcttc ctgtttacct ccgtgcatcc 240  
 tgtaaggaat tgggtttatc atttatcatt tatttttagta caaacttttt tttttggccc 300  
 gggcgcaactt tttcaagcgg tgggaactca tcaaaatgaa aaactagata cttttagact 360  
 tattaatatgg tttaaatatt ttgagatggt cgttatatca gaaacttcct tacttctatc 420  
 ttttattcca atacaaagaa gtcacaagat tacttggtta gaaagaagca gtttaattttt 480  
 aattttgccg acaagccaag atgcaaattt tcgtcaagac tttaaccggt aagactatta 540  
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 aaggtattcc acctgacca caaagattga tctttgctgg taagcaattg gaagatggta 660  
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 gaggtggtgg taagaagaga aagaagaagg tctacaccac ccaaagaag atcaagcaca 780  
 agcacaagaa ggtcaagttg gctgtcttgt cctactacaa ggctgatgct gaaggtaagg 840  
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<210> 182

191

<211> 152  
 <212> PRT  
 <213> Candida albicans

<400> 182  
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 Val Glu Ser Ser Asp Thr Ile Asp Asn Val Lys Ser Lys Ile Gln Asp  
                   20                  25                  30  
 Lys Glu Gly Ile Pro Pro Asp Gln Gln Arg Leu Ile Phe Ala Gly Lys  
                   35                  40                  45  
 Gln Leu Glu Asp Gly Arg Thr Leu Ser Asp Tyr Asn Ile Gln Lys Glu  
           50                  55                  60  
 Ser Thr Leu His Leu Val Leu Arg Leu Arg Gly Gly Gly Lys Lys Arg  
           65                  70                  75                  80  
 Lys Lys Lys Val Tyr Thr Thr Pro Lys Lys Ile Lys His Lys His Lys  
                   85                  90                  95  
 Lys Val Lys Leu Ala Val Leu Ser Tyr Tyr Lys Val Asp Ala Glu Gly  
                   100                  105                  110  
 Lys Val Thr Lys Leu Arg Arg Glu Cys Ser Asn Pro Thr Cys Gly Ala  
           115                  120                  125  
 Gly Val Phe Leu Ala Asn His Lys Asp Arg Leu Tyr Cys Gly Lys Cys  
           130                  135                  140  
 His Ser Val Tyr Lys Val Asn Ala  
           145                  150

<210> 183  
 <211> 848  
 <212> DNA  
 <213> Candida albicans

<400> 183  
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 caaccaatat gtcggggaat tgggtgggcaa atgaggtgat tcggccaata tcgaaatatt 180  
 gccccgtgta atactgaaca cctgacaaac agaccagcgc caattcatct tgatttacct 240  
 ctatgggtatc caggatatct tgagttctga tataagtctc tccctcgcgt ggctcgatct 300  
 gaataaaaac attctcaggt tccgaaattc catgaatttt gcactgggtg tagaaagcat 360  
 aatagtctga tggaaaggag cccttttcaa aaaggatctt gaatcttttc tcagtagggt 420  
 tataaaaagt aattaacaat gaattcaaat ttgcagtga actattcatt actgcaactt 480  
 cattttcttg agcaccacag atgggggcta gtagtggaa aataggtaag tcaatgctga 540  
 cccaaggcac ctttctctcg gcttcttcag gatgtttgaa atgcgattcc acagcacaat 600  
 cgctccacgc atctagctca gcattaattg aattcctagt tgacttcggc atcaaacct 660  
 aagaattccc gcataagtac gtcacaggct tatcgtcgga cgatagtccc atggatttaa 720  
 atgtagggat gttgaattca tccctcagag attccggata ttctccgtct aattccaaag 780  
 ctttctccat aattaccagt ttgtttcttt tttccacaga atatttaggc ttaatatgta 840

cgtattga

848

&lt;210&gt; 184

&lt;211&gt; 115

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 184

Met Gly Ala Ser Ser Gly Arg Ile Gly Lys Ser Met Leu Thr Gln Gly  
 1 5 10 15

Thr Phe Pro Leu Ala Ser Ser Gly Cys Leu Lys Cys Asp Ser Thr Ala  
 20 25 30

Gln Ser Leu His Ala Ser Ser Ser Ala Leu Ile Glu Phe Leu Val Asp  
 35 40 45

Phe Gly Ile Lys Pro Lys Glu Phe Pro His Lys Tyr Val Thr Gly Leu  
 50 55 60

Ser Ser Asp Asp Ser Pro Met Asp Leu Asn Val Gly Met Leu Asn Ser  
 65 70 75 80

Ser Leu Arg Asp Ser Gly Tyr Ser Pro Ser Asn Ser Lys Ala Phe Ser  
 85 90 95

Ile Ile Thr Ser Leu Phe Leu Phe Ser Thr Glu Tyr Leu Gly Leu Ile  
 100 105 110

Cys Thr Tyr  
 115

&lt;210&gt; 185

&lt;211&gt; 2600

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 185

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 acactagtca tggtaacttc gcagtttagcc ccatttctgg caaacgggaa ccactaaac 120  
 atgaaatcat agttctttac atacatgtag ccggaatccc ttgaagttga tctgcctcct 180  
 cctaggatct gtgaaactgc cttcgctata gaatttttct ctgcgacaca tagcactttc 240  
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 aaaagcgatg ccctctttat tgacagttac taattcgcca aactgctttt ttttatcaat 360  
 gtgattttcg cgttcacgcc attatccaat gtcaaaaagg ataatggaaa tgtaaacatg 420  
 cctgtatgat ccgaccggtt ttagcaaact tatcagggga aaaagtatat tccattaaat 480  
 gacacatgcc accatagata atggataatg aagaagttaa cgaagaatgt atgagattat 540  
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 aaaatgcata tatcacgttc agatgcttcc tggatggaat acatcgcaaa tctactaggt 660  
 ttctcgaaga gctacttttg aaacaagaaa atatgtacca taataacaat tacgaacgca 720  
 taaatgattc cgtgatacca ttggttctga aacttttatg gcttcaaatt cacgaaccta 780  
 cactccaatg gtttgagcac tggttccatg atatcatgcg actaagtaac agaagaaagt 840  
 tcagagtttt tagaattttt caaaaaaaaaa tgattcaatt tttcaaaatt acacacaggt 900  
 attactatga catcatcgaa cacctatgcg caaagtacga tatgaattcc gttattttcaa 960

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aaattatctt aaacacgagt aatccactga cgttttccat tgtaatctca ctacaaagat 1080
gcgtgattaa tctaggttcc acacattttt ataaaacact actaaacaag ccgtctaaca 1140
aaccacaagag tgtggaaggt tttgagaagt ctattaggta cttgaatatt gcctcactct 1200
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acagacacag gaagttttgc acttcattcg ccttgttgct gaacgacttg ataaatagtc 1920
cactgaattg ttcaggaagt atatatagcc acaggccgaa aagaagctat ctttttagag 1980
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tgccagatac tcctacttga                                2600

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&lt;210&gt; 186

&lt;211&gt; 699

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 186

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Met Asp Asn Glu Glu Val Asn Glu Glu Cys Met Arg Leu Phe Phe Lys
 1              5              10              15

Asn Ala Arg Ala His Leu Asp Lys His Leu Thr Ser Arg Leu Thr Cys
 20              25              30

Asp Glu Asn Ala Tyr Ile Thr Phe Arg Cys Phe Leu Asp Gly Ile His
 35              40              45

Arg Lys Ser Thr Arg Phe Leu Glu Glu Leu Leu Leu Lys Gln Glu Asn
 50              55              60

Met Tyr His Asn Asn Asn Tyr Glu Arg Ile Asn Asp Ser Val Ile Pro
 65              70              75              80

Leu Val Leu Lys Leu Leu Trp Leu Gln Ile His Glu Pro Thr Leu Gln
 85              90              95

Trp Phe Glu His Trp Phe His Asp Ile Met Arg Leu Ser Asn Arg Arg
100              105              110

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Lys Phe Arg Val Phe Arg Ile Phe Gln Lys Lys Met Ile Gln Phe Phe  
 115 120 125  
 Lys Ile Thr His Arg Tyr Tyr Tyr Asp Ile Ile Glu His Leu Cys Ala  
 130 135 140  
 Lys Tyr Asp Met Asn Ser Val Ile Ser Asn Ala Leu Phe Ala Lys Leu  
 145 150 155 160  
 Asn Leu Met Gln Tyr Thr Asp Gly Leu Ser Thr His Glu Lys Ile Ile  
 165 170 175  
 Leu Asn Thr Ser Asn Pro Leu Thr Phe Ser Ile Val Ile Ser Leu Gln  
 180 185 190  
 Arg Cys Val Ile Asn Leu Gly Ser Thr His Phe Tyr Lys Thr Leu Leu  
 195 200 205  
 Asn Lys Pro Ser Asn Lys Pro Lys Ser Val Glu Gly Phe Glu Lys Ser  
 210 215 220  
 Ile Arg Tyr Leu Asn Ile Ala Ser Leu Tyr Leu Pro Ala Val Gly Asp  
 225 230 235 240  
 Thr Tyr Phe Gln Arg Ala Lys Ile Tyr Leu Ile Thr Gly Lys Phe Ser  
 245 250 255  
 Leu Tyr Phe Phe Glu Leu Val Arg Gly Ala Leu Val Arg Ile Pro Ser  
 260 265 270  
 Lys Cys Ala Leu Asn Asn Leu Lys Asp Phe Ile Leu Thr Pro Asp Phe  
 275 280 285  
 Pro Glu Arg Arg Arg Leu Met Lys Lys Leu Ala Ile Leu Val Ser Lys  
 290 295 300  
 Asp Leu Lys Gly Glu Lys Ser Phe Phe Glu Gly Gln Ile Val Leu Gln  
 305 310 315 320  
 Phe Leu Ser Ile Val Glu His Thr Leu Val Pro Gln Ser Trp Asn Ala  
 325 330 335  
 Ser Arg Ala Ser Asn Cys Trp Leu Leu Lys Glu His Leu Gln Met Ala  
 340 345 350  
 Ala Leu Lys Tyr His Ser Gly Asn Ile Asn Val Ile Leu Glu Asn Leu  
 355 360 365  
 Ala Ala Thr Met Gly Ser Phe Asp Leu Met Phe Thr Thr Arg Lys Ser  
 370 375 380  
 Lys Glu Gln Lys Asn Lys Leu Lys Tyr Ala Asp Leu Ser Glu Arg Gln  
 385 390 395 400  
 Val Phe Phe Leu Asp Leu Ser Phe Asp Phe Ile Ala Asn Ile Ile Asp  
 405 410 415

195

Val Val Ile Lys Pro Ser Trp Gln Lys Asn Met Glu Asp Phe Arg Tyr  
                   420                                  425                                  430  
 Leu Ala Ile Ile Arg Leu Leu Met Cys Trp Ile Lys Ser Tyr Arg Ser  
                   435                                  440                                  445  
 Ile Leu Gln Tyr Thr His Arg His Arg Lys Phe Cys Thr Ser Phe Ala  
                   450                                  455                                  460  
 Leu Leu Leu Asn Asp Leu Ile Asn Ser Pro Leu Asn Cys Ser Gly Asn  
                   465                                  470                                  475                                  480  
 Ile Tyr Ser His Arg Pro Lys Arg Ser Tyr Leu Phe Arg Glu Asp Ile  
                                   485                                  490                                  495  
 Ile Phe Arg Glu Phe Ser Cys Ile Asn Phe Ala Leu Thr Asp Phe Asn  
                                   500                                  505                                  510  
 Asp Asp Tyr Val Tyr Asp Ser Pro Asp Met Ile Asn Asn Ile Ile Gly  
                   515                                  520                                  525  
 Cys Pro Thr Leu Thr Lys Val Leu Ser Pro Lys Glu Glu Cys Val Leu  
                   530                                  535                                  540  
 Arg Ile Arg Ser Ile Ile Phe Ser Gly Met Lys Phe Leu Glu Lys Asn  
                   545                                  550                                  555                                  560  
 Asp Thr Gly Val Ile Trp Asn Ala Ser Lys Tyr Lys Phe Asp Leu Ile  
                                   565                                  570                                  575  
 Ser Pro Asn Ile Lys Ile Lys Arg Gln Ile Ala Leu Ser Glu Ile Ser  
                   580                                  585                                  590  
 Ser Lys Ile Asn Val Lys Thr Gln Gln Glu Arg Val Val Ser Ser Arg  
                   595                                  600                                  605  
 Lys Val Glu Ala Lys Arg Asp Glu Gln Gln Arg Lys Arg Ala Gly Lys  
                   610                                  615                                  620  
 Ile Ala Val Thr Glu Leu Glu Lys Gln Phe Ala Asn Val Arg Arg Thr  
                   625                                  630                                  635                                  640  
 Lys Lys Leu Ser Pro Leu Pro Glu Lys Asp Gly Val Ser Ser Glu Leu  
                                   645                                  650                                  655  
 Val Lys His Ala Ala Ser Arg Gly Arg Lys Thr Ile Thr Gly Pro Leu  
                   660                                  665                                  670  
 Ser Ser Asp Phe Leu Ser Tyr Pro Asp Glu Ala Ile Asp Ala Asp Glu  
                   675                                  680                                  685  
 Asp Ile Thr Val Gln Val Pro Asp Thr Pro Thr  
                   690                                  695

&lt;210&gt; 187

<211> 2471  
 <212> DNA  
 <213> *Candida albicans*

<400> 187  
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 aaaaacggtc ggatcataca ggcatgttaa catttccatt atcctttttg acattggata 360  
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 gccagtttcc aacgctcggc tttgtagtag acaggtttga aagaatacga aattttgttc 1260  
 ccgaagagtt ctggtatatc caattggtag tcgaaaacaa agacaacggc ggaacaacaa 1320  
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 gcgaagggtca tgccctccaag actgatgttg taaaggacat agtcgagaag tataggaagt 2400  
 actggcacia gacgaatgcc tgcaagaata ctctcttgca agtttatgac cgtgtcaagg 2460  
 catccatgta a 2471

<210> 188  
 <211> 656  
 <212> PRT  
 <213> *Candida albicans*

<400> 188  
 Met Lys Val Leu Cys Val Ala Glu Lys Asn Ser Ile Ala Lys Ala Val  
 1 5 10 15



Ser	Gln	Ile	Leu	Gly	Gly	Gly	Arg	Ser	Thr	Ser	Arg	Asp	Ser	Gly	Tyr	20	25	30
Met	Tyr	Val	Lys	Asn	Tyr	Asp	Phe	Met	Phe	Ser	Gly	Phe	Pro	Phe	Ala	35	40	45
Arg	Asn	Gly	Ala	Asn	Cys	Glu	Val	Thr	Met	Thr	Ser	Val	Ala	Gly	His	50	55	60
Leu	Thr	Gly	Ile	Asp	Phe	Ser	His	Asp	Ser	His	Gly	Trp	Gly	Lys	Cys	65	70	75
Ala	Ile	Gln	Glu	Leu	Phe	Asp	Ala	Pro	Leu	Asn	Glu	Ile	Met	Asn	Asn	85	90	95
Asn	Gln	Lys	Lys	Ile	Ala	Ser	Asn	Ile	Lys	Arg	Glu	Ala	Arg	Asn	Ala	100	105	110
Asp	Tyr	Leu	Met	Ile	Trp	Thr	Asp	Cys	Asp	Arg	Glu	Gly	Glu	Tyr	Ile	115	120	125
Gly	Trp	Glu	Ile	Trp	Gln	Glu	Ala	Lys	Arg	Gly	Asn	Arg	Leu	Ile	Gln	130	135	140
Asn	Asp	Gln	Val	Tyr	Arg	Ala	Val	Phe	Ser	His	Leu	Glu	Arg	Gln	His	145	150	155
Ile	Leu	Asn	Ala	Ala	Arg	Asn	Pro	Ser	Arg	Leu	Asp	Met	Lys	Ser	Val	165	170	175
His	Ala	Val	Gly	Thr	Arg	Ile	Glu	Ile	Asp	Leu	Arg	Ala	Gly	Val	Thr	180	185	190
Phe	Thr	Arg	Leu	Leu	Thr	Glu	Thr	Leu	Arg	Asn	Lys	Leu	Arg	Asn	Gln	195	200	205
Ala	Thr	Met	Thr	Lys	Asp	Gly	Ala	Lys	His	Arg	Gly	Gly	Asn	Lys	Asn	210	215	220
Asp	Ser	Gln	Val	Val	Ser	Tyr	Gly	Thr	Cys	Gln	Phe	Pro	Thr	Leu	Gly	225	230	235
Phe	Val	Val	Asp	Arg	Phe	Glu	Arg	Ile	Arg	Asn	Phe	Val	Pro	Glu	Glu	245	250	255
Phe	Trp	Tyr	Ile	Gln	Leu	Val	Val	Glu	Asn	Lys	Asp	Asn	Gly	Gly	Thr	260	265	270
Thr	Thr	Phe	Gln	Trp	Asp	Arg	Gly	His	Leu	Phe	Asp	Arg	Leu	Ser	Val	275	280	285
Leu	Thr	Phe	Tyr	Glu	Thr	Cys	Ile	Glu	Thr	Ala	Gly	Asn	Val	Ala	Gln	290	295	300
Val	Val	Asp	Leu	Lys	Ser	Lys	Pro	Thr	Thr	Lys	Tyr	Arg	Pro	Leu	Pro	305	310	315

Leu Thr Thr Val Glu Leu Gln Lys Asn Cys Ala Arg Tyr Leu Arg Leu  
 325 330 335  
 Asn Ala Lys Gln Ser Leu Asp Ala Ala Glu Lys Leu Tyr Gln Lys Gly  
 340 345 350  
 Phe Ile Ser Tyr Pro Arg Thr Glu Thr Asp Thr Phe Pro His Ala Met  
 355 360 365  
 Asp Leu Lys Ser Leu Val Glu Lys Gln Ala Gln Leu Asp Gln Leu Ala  
 370 375 380  
 Ala Gly Gly Arg Thr Ala Trp Ala Ser Tyr Ala Ala Ser Leu Leu Gln  
 385 390 395 400  
 Pro Glu Asn Thr Ser Asn Asn Asn Lys Phe Lys Phe Pro Arg Ser Gly  
 405 410 415  
 Ser His Asp Asp Lys Ala His Pro Pro Ile His Pro Ile Val Ser Leu  
 420 425 430  
 Gly Pro Glu Ala Asn Val Ser Pro Val Glu Arg Arg Val Tyr Glu Tyr  
 435 440 445  
 Val Ala Arg His Phe Leu Ala Cys Cys Ser Glu Asp Ala Lys Gly Gln  
 450 455 460  
 Ser Met Thr Leu Val Leu Asp Trp Ala Val Glu Arg Phe Ser Ala Ser  
 465 470 475 480  
 Gly Leu Val Val Leu Glu Arg Asn Phe Leu Asp Val Tyr Pro Trp Ala  
 485 490 495  
 Arg Trp Glu Thr Thr Lys Gln Leu Pro Arg Leu Glu Met Asn Ala Leu  
 500 505 510  
 Val Asp Ile Ala Lys Ala Glu Met Lys Ala Gly Thr Thr Ala Pro Pro  
 515 520 525  
 Lys Pro Met Thr Glu Ser Glu Leu Ile Leu Leu Met Asp Thr Asn Gly  
 530 535 540  
 Ile Gly Thr Asp Ala Thr Ile Ala Glu His Ile Asp Lys Ile Gln Val  
 545 550 555 560  
 Arg Asn Tyr Val Arg Ser Glu Lys Val Gly Lys Glu Thr Tyr Leu Gln  
 565 570 575  
 Pro Thr Thr Leu Gly Val Ser Leu Val His Gly Phe Glu Ala Ile Gly  
 580 585 590  
 Leu Glu Asp Ser Phe Ala Lys Pro Phe Gln Arg Arg Glu Met Glu Gln  
 595 600 605  
 Asp Leu Lys Lys Ile Cys Glu Gly His Ala Ser Lys Thr Asp Val Val  
 610 615 620

Lys Asp Ile Val Glu Lys Tyr Arg Lys Tyr Trp His Lys Thr Asn Ala  
 625 630 635 640

Cys Lys Asn Thr Leu Leu Gln Val Tyr Asp Arg Val Lys Ala Ser Met  
 645 650 655

<210> 189  
 <211> 1937  
 <212> DNA  
 <213> Candida albicans

<400> 189  
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 tccaatatat taaggggtaa ggactactat tattcgccct gaattgaaat cttttagaaa 240  
 gcacctgttc tctctctggt gttctttttt tctcatctat tatctaattt cttcaacctt 300  
 cgttatttgt tgttattccg taatcgtggt gctcaacttt tgaaatttca cttggtttacc 360  
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 tatagatata atcgaatcca atgactgggtc ctggacctga aataaataag gaggagcacc 540  
 ccagttctcc gggcaagaaa cagataacat ataattagat acccaagaat gcaaatctaa 600  
 ttgatggatc tacgaattca tcgaagaggc caattgaaaa gtatgacaag agaattagccg 660  
 acccaacaaa aagctatttt ccacatagca tatcaagaac accaaggaga aaatatactt 720  
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 aagaacaaga actctcaact gcatctaaaa aaaagactac cgaacatgac actagaggcg 1800  
 tcccgggcat gaatcctaag ggtactgaca aatttagcat caagaacacg ctatgtaatc 1860  
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 tcctttcccc caactag 1937

<210> 190  
 <211> 478  
 <212> PRT  
 <213> Candida albicans

200

&lt;400&gt; 190

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Pro Gly Lys Lys Gln Ile Thr Tyr Asn Ser Ile Pro Lys Asn Ala Asn
          20           25           30

Leu Ile Asp Gly Ser Thr Asn Ser Ser Lys Arg Pro Ile Glu Lys Tyr
          35           40           45

Asp Lys Arg Ile Ala Asp Pro Thr Lys Ser Tyr Phe Pro His Ser Ile
          50           55           60

Ser Arg Thr Pro Arg Arg Lys Tyr Thr Tyr Ile Leu Val Leu Thr Ser
          65           70           75           80

Leu Asn Gly Thr Phe Glu Ser Lys His Val Val Ile Pro Phe Lys Pro
          85           90           95

Asp Gly Leu Lys Leu Gly Arg Pro Val Ala Asn Ser Asn Ser Ser Ser
          100          105          110

Ser Ser Ser Leu Arg Gly Gly Lys Arg Val Asp Ser His Thr Phe Ser
          115          120          125

Gln Val Arg Ser Asp Asn Gly Asn Phe Asp Ser Arg Val Leu Ser Arg
          130          135          140

Asn His Ala Leu Leu Ser Cys Asp Pro Leu Thr Gly Lys Val Tyr Ile
          145          150          155          160

Arg Asp Leu Lys Ser Ser Asn Gly Thr Phe Ile Asn Gly Gln Arg Ile
          165          170          175

Gly Ser Asn Asp Val Glu Ile Lys Val Gly Asp Val Ile Asp Leu Gly
          180          185          190

Thr Asp Ile Asp Thr Lys Ile Glu His Arg Lys Ile Ser Ala Thr Val
          195          200          205

Glu Glu Leu Phe Val Gln Pro Leu Leu Glu Ser Pro Ile Phe Glu Asn
          210          215          220

Glu Asp Ser Asp Asp Cys His Thr Ile Thr Glu Lys Glu Glu Ala Ala
          225          230          235          240

Ala Ile Thr Ser His Ile Tyr Gly Asp Ser Asn Asn Leu Glu Leu Glu
          245          250          255

Glu Val Ile Leu Gly Ser Asp Thr Glu Ile Leu Ser Gly Ile Phe Ile
          260          265          270

Asn Asn Cys Ile Gly Thr Ser Pro Thr Leu Ser Asn Ile Ile Lys Thr
          275          280          285

Leu Ala Met Glu Ile Pro Phe Ser Lys Cys Asp Asn Phe Lys Leu Gln

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290	295	300
Ser Met Glu Asn Phe Leu Ile Asn Tyr Thr Thr His Leu Glu Tyr Thr		
305	310	315 320
Asn Lys Leu Leu Val Glu Lys Asn Asp Gln Gln Leu Val Lys Leu Gln		
	325	330 335
Asn Gly Leu Arg Arg Lys Leu Ser Gly Lys Tyr Glu Lys Ile Ile Glu		
	340	345 350
Gln Asn Arg Asn Gln Val Lys Gln Leu Glu Arg Asp His Met Phe Phe		
	355	360 365
Lys Lys Ser Phe Glu Val Lys Lys Arg Arg Asn Asn Glu Lys Gln Lys		
	370	375 380
Ser Met Glu Arg Glu Ile Glu Asp Leu Lys Thr Arg Leu Glu Val Glu		
385	390	395 400
Arg Tyr Lys Asn Ser Gln Met Met Lys Lys Asn Lys Gln Lys Glu Gln		
	405	410 415
Glu Leu Ser Thr Ala Ser Lys Lys Lys Thr Thr Glu His Asp Thr Arg		
	420	425 430
Gly Val Pro Gly Met Asn Pro Lys Gly Thr Asp Lys Phe Ser Ile Lys		
	435	440 445
Asn Thr Leu Cys Asn His Phe Thr Leu Leu Thr Phe Gly Thr Ile Ser		
	450	455 460
Ile Gly Ile Ile Ala Ile Val Phe Lys Ile Leu Ser Pro Asn		
465	470	475

<210> 191  
 <211> 2849  
 <212> DNA  
 <213> Candida albicans

<400> 191  
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 gtgtaaatgc tttgctgcct atcgtgattg atcatttaca taatctggca caatactggc 180  
 ggacctgatt ggttgataat tgggtgcttca aaattttaa ttcgtcactc taattatact 240  
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 aatttgcact ttttttat tttt aaaaataaaa atcacagtta atttttcatg atcttgcaaa 360  
 gacacgcctc cccctaagt ggcataatata acaattgtga atcagaaaaa ctcaacactt 420  
 taacataatg gcgggcacga aggctaaaca aacaagatta gcattgaatg ctttttttgg 480  
 gtacaataga acagtactga atgacatcat atatcgaaag gctcaagtcg gcagcatcgt 540  
 atcttgatac agttccagat gagcatcatg atttcagaaa acccaccgcc aagggttgtaa 600  
 cgacgcaact gactattgct acttcactag gtatttttgc tttgctttcg ttctcaattc 660  
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 gcttaccgctc ctggaatcag tcaagtttat tcggctggtt aacagtgttg tataagatac 780  
 gggacgaaca gattctggaa tatgcaggtt tagatgcgta tgtgtttttg agttttttca 840

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acaattctac ggtgaattct gccaatgagg aagagtcgta tgcataccct tacgctgtga 2820
gtgaattaga ggggccgatg ttggattga 2849

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&lt;210&gt; 192

&lt;211&gt; 782

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 192

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Met Thr Ser Tyr Ile Glu Arg Leu Lys Ser Ala Ala Ser Tyr Leu Asp
 1             5             10             15

Thr Val Pro Asp Glu His His Asp Phe Arg Lys Pro Thr Ala Lys Val
          20             25             30

Val Thr Thr Gln Leu Thr Ile Ala Thr Ser Leu Gly Ile Phe Ala Leu
    35             40             45

Leu Ser Phe Ser Ile Leu Leu Lys Lys Trp Pro Arg Leu Tyr Ala Ser
    50             55             60

Arg Arg Tyr Lys Asp Asp Gly Asn Leu Arg Leu Pro Ser Trp Asn Gln
    65             70             75             80

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Ser Ser Leu Phe Gly Trp Leu Thr Val Leu Tyr Lys Ile Arg Asp Glu  
                     85                    90                    95  
 Gln Ile Leu Glu Tyr Ala Gly Leu Asp Ala Tyr Val Phe Leu Ser Phe  
                     100                    105                    110  
 Phe Lys Met Cys Ile Lys Leu Leu Ser Ile Phe Cys Phe Phe Ser Val  
                     115                    120                    125  
 Cys Val Ile Ser Pro Val Arg Tyr His Phe Thr Gly Lys Ile Asp Asp  
                     130                    135                    140  
 Gly Asn Asp Asp Asp Asp Ser Glu Ser Ser Leu Ile His Leu Val Lys  
                     145                    150                    155                    160  
 Arg Ile Val Glu Gly Ser Gly Asp Gly Asp Asn His Ser Ala Pro Glu  
                     165                    170                    175  
 Arg Thr Asn Val Tyr Leu Trp Met Tyr Val Leu Phe Thr Tyr Phe Phe  
                     180                    185                    190  
 Thr Phe Ile Ala Ile Lys Met Ala Val Ala Glu Thr Lys His Val Val  
                     195                    200                    205  
 Ser Thr Arg Gln Ala Tyr Leu Gly Lys Gln Asn Thr Ile Thr Asp Arg  
                     210                    215                    220  
 Thr Ile Arg Leu Ser Gly Ile Pro Ile Glu Leu Arg Asp Ser Glu Ala  
                     225                    230                    235                    240  
 Leu Lys Thr Arg Ile Glu Gln Leu Lys Ile Gly Thr Val Ser Ser Ile  
                     245                    250                    255  
 Thr Ile Cys Arg Glu Trp Gly Pro Leu Asn Lys Leu Phe His Cys Arg  
                     260                    265                    270  
 Lys Lys Ile Leu Lys Asn Leu Glu Leu Lys Tyr Ser Glu Cys Pro Arg  
                     275                    280                    285  
 Glu Leu Arg Thr Arg Gln Pro Tyr Ser Glu Asn Tyr His Leu Leu Gly  
                     290                    295                    300  
 Asn Glu Gln Ser Gly Ala Val Thr His Gly Glu Asn Val Pro Ser Ser  
                     305                    310                    315                    320  
 Asn Asn Asn Asp Glu Asp Thr Ile Leu Tyr Ser Gln Ile Ser Leu Gly  
                     325                    330                    335  
 Glu Arg Pro Lys Met Lys Ile Gly Tyr Arg Gly Ile Phe Gly Lys Glu  
                     340                    345                    350  
 Val Asp Ala Ile Glu Tyr Leu Glu Gln Gln Leu Lys Phe Ile Asp Ala  
                     355                    360                    365  
 Glu Ile Ile Glu Ala Arg Lys Gln His Tyr Ser Ala Thr Pro Thr Ala  
                     370                    375                    380

Phe	Val	Thr	Met	Asp	Ser	Val	Ala	Asn	Ala	Gln	Met	Ala	Ala	Gln	Ala	385	390	395	400
Val	Leu	Asp	Pro	Arg	Val	His	Tyr	Phe	Ile	Thr	Arg	Leu	Ala	Pro	Ala	405	410	415	
Pro	His	Asp	Ile	Lys	Trp	Asp	His	Val	Cys	Leu	Ser	Arg	Lys	Asp	Arg	420	425	430	
Leu	Thr	Lys	Val	Tyr	Ser	Thr	Thr	Val	Phe	Ile	Gly	Leu	Ser	Ser	Leu	435	440	445	
Phe	Leu	Val	Ile	Pro	Val	Ser	Tyr	Leu	Ala	Thr	Leu	Leu	Asn	Leu	Lys	450	455	460	
Thr	Leu	Ser	Lys	Phe	Trp	Pro	Ser	Val	Gly	Gln	Leu	Leu	Lys	Asp	His	465	470	475	480
Gln	Trp	Ala	Ala	Asn	Ile	Val	Thr	Gly	Leu	Leu	Pro	Thr	Tyr	Leu	Phe	485	490	495	
Thr	Leu	Leu	Asn	Phe	Gly	Ile	Pro	Tyr	Phe	Tyr	Glu	Tyr	Leu	Thr	Ser	500	505	510	
Tyr	Gln	Gly	Leu	Val	Ser	Tyr	Ser	Glu	Glu	Glu	Ile	Ser	Leu	Val	Ser	515	520	525	
Lys	Asn	Phe	Phe	Tyr	Ile	Phe	Val	Asn	Leu	Phe	Leu	Val	Phe	Thr	Leu	530	535	540	
Ala	Gly	Thr	Ala	Ser	Asn	Tyr	Trp	Ala	Tyr	Leu	Ser	Asp	Thr	Thr	Lys	545	550	555	560
Ile	Ala	Tyr	Gln	Leu	Ala	Thr	Ser	Val	Lys	Glu	Phe	Ser	Leu	Phe	Tyr	565	570	575	
Val	Asp	Leu	Ile	Ile	Leu	Gln	Gly	Ile	Gly	Met	Phe	Pro	Phe	Lys	Leu	580	585	590	
Leu	Leu	Val	Gly	Ser	Leu	Ile	Gly	Phe	Pro	Leu	Val	Lys	Ile	Lys	Ala	595	600	605	
Lys	Thr	Pro	Arg	Gln	Arg	Asn	Glu	Leu	Tyr	Asn	Pro	Pro	Ile	Phe	Asn	610	615	620	
Phe	Gly	Leu	Gln	Leu	Pro	Gln	Pro	Ile	Leu	Ile	Leu	Ile	Ile	Thr	Leu	625	630	635	640
Ile	Tyr	Ser	Val	Met	Ser	Thr	Lys	Ile	Leu	Thr	Ser	Gly	Leu	Ala	Tyr	645	650	655	
Phe	Ile	Ile	Gly	Phe	Tyr	Val	Tyr	Lys	Tyr	Gln	Leu	Ile	Phe	Ala	Thr	660	665	670	
Asp	His	Leu	Pro	His	Ser	Thr	Gly	Lys	Val	Trp	Pro	Leu	Ile	Phe	Arg	675	680	685	



205

Arg Ile Ile Val Gly Leu Leu Leu Phe Gln Leu Thr Met Thr Gly Thr  
 690 695 700  
 Leu Ala Gly Phe Glu Gly Gly Trp Val Leu Ser Ser Cys Leu Phe Pro  
 705 710 715 720  
 Leu Pro Val Val Thr Leu Cys Phe Leu Tyr Asp Phe Glu Lys Asn Tyr  
 725 730 735  
 Leu Pro Leu Ser Lys Tyr Ile Ala Leu Ser Ser Ile Arg Glu Tyr Glu  
 740 745 750  
 Arg Asp Asn Ser Thr Val Asn Ser Ala Asn Glu Glu Glu Ser Tyr Ala  
 755 760 765  
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<210> 193  
 <211> 1781  
 <212> DNA  
 <213> Candida albicans

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<210> 194  
 <211> 426  
 <212> PRT  
 <213> Candida albicans

<400> 194

Met	Ser	His	Gln	Asn	Gln	Leu	Ile	Pro	Gln	Ala	Tyr	Ile	Ser	Asn	Phe	1	5	10	15
His	Asn	Arg	Leu	Thr	Asn	Glu	Asp	Asp	Gly	Ile	Pro	Ile	Phe	Thr	Met	20	25	30	
Ala	Gln	Gln	Thr	Arg	Gln	His	Lys	Arg	Ala	Lys	Val	Val	Asn	Tyr	Ala	35	40	45	
Glu	Tyr	Asp	Asn	Asp	Leu	Phe	Asp	Glu	Phe	Asn	Met	Asn	Gly	Ser	Asn	50	55	60	
Phe	Asn	Asn	Ala	Asp	Thr	His	Tyr	Lys	Asp	Asn	Ala	Val	Ser	His	Glu	65	70	75	
Asn	Thr	Pro	Ala	Leu	Thr	Asn	Gly	Val	Thr	Met	Asp	Gly	Ser	Glu	Tyr	85	90	95	
Asn	Val	Leu	Glu	Asn	Met	Asn	Gly	Ala	Asp	Ser	Ile	Ile	Ser	Asn	Asn	100	105	110	
Lys	Tyr	Asp	Ala	Gly	Ser	Asn	Met	Val	Val	Glu	Ser	Leu	Ser	Gly	Leu	115	120	125	
Asn	Ser	Asn	Asn	Asn	Ala	Ser	Asn	Gly	Pro	Ser	Asn	Lys	Ala	Gln	Ala	130	135	140	
Gln	Asp	Ile	Gly	Asn	Ala	Val	Leu	Pro	Asp	Leu	Gln	Asp	Gln	His	His	145	150	155	
Asn	Pro	Phe	Asn	Ile	Leu	Arg	Tyr	Pro	Lys	Ile	Arg	Asp	Thr	Phe	Ile	165	170	175	
Asn	Gly	Lys	Val	Val	Ser	Pro	Tyr	Arg	Leu	Asn	Thr	Asp	Gln	Glu	Thr	180	185	190	
Lys	Ala	Asn	Ala	Asn	Ser	Gly	Glu	Ala	Ile	Met	Ile	Pro	Ile	Thr	Leu	195	200	205	
Asp	Ile	Glu	His	Met	Gly	His	Thr	Ile	Lys	Asp	Gln	Phe	Leu	Trp	Asn	210	215	220	
Tyr	Asn	Asp	Asp	Ser	Ile	Ser	Pro	Glu	Glu	Phe	Ala	Ser	Ile	Tyr	Cys	225	230	235	
Lys	Asp	Leu	Asp	Met	Thr	Ser	Ala	Thr	Leu	Gln	Thr	Gln	Ile	Ala	Asn	245	250	255	
Ile	Ile	Lys	Glu	Gln	Leu	Lys	Asp	Leu	Glu	Asn	Ile	Ala	Ala	Thr	Glu	260	265	270	

Ile Met Ser Asp Leu His Val Ile Ile Asn Leu Thr Cys Asn Leu Gln  
 275 280 285  
 Asp Arg Phe Phe Glu Asp Asn Phe Gln Trp Asn Leu Asn Asp Lys Ser  
 290 295 300  
 Leu Thr Pro Glu Arg Phe Ala Thr Ser Ile Val Gln Asp Leu Gly Leu  
 305 310 315 320  
 Thr Arg Glu Phe Ile Pro Leu Ile Ser Gln Ser Leu His Glu Thr Ile  
 325 330 335  
 Leu Lys Ile Lys Lys Asp Trp Val Asp Gly His Leu Ile Gln Asp His  
 340 345 350  
 Val Pro Asn Asp Ala Ala Phe Gly Tyr Leu Ser Gly Ile Arg Leu Asp  
 355 360 365  
 Ile Asp Glu Leu Gly Ser Asn Trp Cys Pro Arg Val Glu Ile Leu Thr  
 370 375 380  
 Lys Glu Glu Ile Gln Lys Arg Glu Ile Glu Lys Glu Arg Asn Leu Arg  
 385 390 395 400  
 Arg Leu Lys Arg Glu Thr Asp Arg Leu Ser Arg Arg Gly Arg Arg Arg  
 405 410 415  
 Leu Asp Asp Leu Glu Thr Thr Met Arg Met  
 420 425

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 <211> 815  
 <212> DNA  
 <213> Candida albicans

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 aatatgttga aggggttgtg gtgttgggtc tgcagatccg gtagaacggc gtttccaata 300  
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 ccatactctt cgtttgtcaa tctgttatga aagttagaaa tataagcttg tggaataagc 720  
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<210> 196  
 <211> 104

208

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 196

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Met Arg His Cys Ile Ile Phe Ile Val Cys Ile Ser Ile Val Glu Ile
  1             5             10             15

Arg Thr Val His Ile Glu Phe Ile Lys Glu Ile Val Val Ile Phe Arg
          20             25             30

Ile Val Asp His Phe Ser Pro Phe Met Leu Pro Cys Leu Leu Ser His
          35             40             45

Cys Lys Asp Gly Asp Thr Ile Ile Phe Val Cys Gln Ser Val Met Lys
          50             55             60

Val Arg Asn Ile Ser Leu Trp Asn Lys Leu Val Leu Val Arg His Cys
          65             70             75             80

Val Leu Leu Cys Ala Phe Leu Leu Ser Phe Phe Asn Val Leu His Ser
          85             90             95

Ile Ile Ser Ile Cys Arg Ile Phe
          100

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&lt;210&gt; 197

&lt;211&gt; 737

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 197

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acaaaacagg gcatctcaca tattcgcgta ctggtgttct tttagctcat tccgatatta 180
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attaaaatgc cttgcgaaaa ggaggactcg tccgtgcaac tgttgaaaaa aatagacgga 300
gcatcatacg ttcgagtggg aaattatgga gagttttcca agctctatgg catgtagagt 360
cgtgattgct gctgtacgct tttgcacaat attgaatctt caatctaaag aattaaattt 420
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tgaccagaag agctgacgtt aagaccgcca ctgttaagat taacaaaaaa ttgaacaagg 600
ccggttaagc attcagacaa accaagtcca aggttagagg ctcttcttct ttgtacactt 660
tggttatcaa cgatgctggt aaggctaaga aattgatcca atctttgcca ccaactttga 720
aggttaacag attataaa
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&lt;210&gt; 198

&lt;211&gt; 78

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 198

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Met Ala Arg Glu Ile Thr Asp Ile Lys Gln Phe Leu Glu Leu Thr Arg
  1             5             10             15

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Lys Ala Tyr Phe Thr Ala Pro Ser Ser Gln Arg Arg Val Leu Leu Ser  
20 25 30

210

Ala Pro Leu Ser Lys Glu Leu Arg Ala Gln Tyr Gly Ile Lys Ala Leu  
           35                          40                          45

Pro Ile Arg Arg Asp Asp Glu Val Leu Val Val Arg Gly Ser Lys Lys  
           50                          55                          60

Gly Gln Glu Gly Lys Ile Ser Ser Val Tyr Arg Leu Lys Phe Ala Val  
       65                          70                          75                          80

Gln Val Asp Lys Val Thr Lys Glu Lys Val Asn Gly Ala Ser Val Pro  
                           85                          90                          95

Ile Asn Leu His Pro Ser Lys Leu Val Ile Thr Lys Leu His Leu Asp  
                           100                          105                          110

Lys Asp Arg Lys Ala Leu Ile Gln Arg Lys Gly Gly Lys Leu Glu  
           115                          120                          125

<210> 201  
 <211> 1376  
 <212> DNA  
 <213> Candida albicans

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 tggatattgt tacaagagtt ctagtctttg ataccatttt tacgcaatta caaccgcatt 240  
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 gtactgtttt caagaccact gtaaccgata ataaaccgga ggacacattt taacccta 420  
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 tcatcaagtt tttacaagtt atgcaaaagc atggtatggt ccaactattt ttcaatattt 660  
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 tattgccagc cagacaattc gggtacgtta ttttgactac ttctgcgggt attatggacc 1320  
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<210> 202  
 <211> 130  
 <212> PRT  
 <213> Candida albicans

<400> 202

211

Met Thr Arg Ser Ser Val Leu Ala Asp Ala Leu Asn Ala Ile Asn Asn  
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 Val Ile Ile Lys Phe Leu Gln Val Met Gln Lys His Gly Tyr Ile Gly  
 35 40 45  
 Glu Phe Glu Tyr Ile Asp Asp His Arg Ser Gly Lys Ile Val Val Gln  
 50 55 60  
 Leu Asn Gly Arg Leu Asn Lys Cys Gly Val Ile Ser Pro Arg Phe Asn  
 65 70 75 80  
 Val Lys Ile Gly Asp Ile Glu Lys Trp Thr Ala Asn Leu Leu Pro Ala  
 85 90 95  
 Arg Gln Phe Gly Tyr Val Ile Leu Thr Thr Ser Ala Gly Ile Met Asp  
 100 105 110  
 His Glu Glu Ala Arg Arg Lys His Val Ser Gly Lys Ile Leu Gly Phe  
 115 120 125  
 Val Tyr  
 130

<210> 203  
 <211> 1340  
 <212> DNA  
 <213> Candida albicans

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1340

&lt;210&gt; 204

&lt;211&gt; 279

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 204

Met	Gln	Gly	Thr	Phe	Lys	Arg	Phe	Tyr	His	Pro	Thr	Leu	Thr	Arg	Met	1	5	10	15
Ser	Phe	Leu	Asp	Lys	Phe	Leu	Lys	Pro	Met	Met	Ala	Thr	Ala	Ser	Pro	20	25	30	
Lys	Glu	Tyr	Gln	Ile	Lys	Gln	Leu	Val	Lys	Pro	Ile	Gly	Leu	Thr	Gln	35	40	45	
Ala	Pro	Arg	Lys	Ser	Thr	Lys	Tyr	Ser	Gln	Gly	Asn	Ser	Leu	Arg	Asp	50	55	60	
Met	Phe	Asp	Ser	Glu	Lys	Thr	Asn	His	Arg	Val	Lys	Glu	Leu	Ala	Val	65	70	75	80
Glu	Phe	Ser	Lys	Ser	Gly	Leu	Tyr	Asp	Val	Gln	Val	Phe	Gln	Lys	Thr	85	90	95	
Lys	Gly	Lys	Leu	Phe	Ile	Ala	Pro	Val	Ser	Tyr	Trp	Lys	Glu	Asp	Lys	100	105	110	
Ala	Leu	Phe	Phe	Pro	His	Leu	Ile	Gly	Thr	Ala	Met	Asp	Gly	Thr	Lys	115	120	125	
Gln	Gln	Asn	Ile	Glu	Asp	Met	Leu	Arg	Gly	Lys	Thr	Ser	Ile	Val	Arg	130	135	140	
Leu	Phe	Ser	Thr	Ala	Ser	Gly	Asp	Lys	Leu	Ser	Ser	Ser	Tyr	Phe	Gln	145	150	155	160
Gly	Ile	Val	Asp	Asp	Asn	Lys	Lys	Thr	Asp	Tyr	Leu	Thr	Glu	Ala	Asp	165	170	175	
Ala	Arg	Leu	Ser	Leu	Asn	Asp	Ser	Asn	Val	Gln	Ile	Ile	Glu	Val	Asn	180	185	190	
Leu	Val	Glu	Asn	Ala	Val	Lys	Ser	Ala	Leu	Val	Lys	Thr	Leu	Ala	Arg	195	200	205	
Trp	Ala	Asn	Arg	Val	Pro	Ser	Trp	Arg	Gln	Pro	Phe	Tyr	Phe	Glu	Cys	210	215	220	
Ser	Arg	Gly	Gln	Trp	Pro	Phe	Ser	Val	Arg	Glu	Glu	Leu	Phe	Cys	Asn	225	230	235	240
Asn	Val	Phe	Ser	Gly	Tyr	Val	Phe	Leu	Val	Asp	Gln	Gln	Leu	Lys	Ile	245	250	255	



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Trp Lys Phe Ala Lys Arg Leu  
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 <211> 1754  
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 <211> 417  
 <212> PRT  
 <213> Candida albicans

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Asp Ile Lys Lys Lys Leu Ser Ser Trp Gln Leu Ser Ile Ser Lys Leu  
 35 40 45  
 Asn Phe Leu Ile Val Gly Leu Arg Gln Gln Gly Lys Phe Leu Tyr Thr  
 50 55 60  
 Ile Leu Lys Glu Gly Ile Gly Thr Lys Leu Ile Gln Lys Gln Trp Asn  
 65 70 75 80  
 Gln Ala Val Leu Val Val Leu Val Asp Glu Met Lys Tyr Trp Gln Tyr  
 85 90 95  
 Glu Ile Thr Ser Lys Val Gln Arg Leu Asp Gly Ile Val Asn Glu Leu  
 100 105 110  
 Ser Ile Ser Glu Lys Asp Asp Thr Asp Pro Ser Lys Leu Gly Asp Tyr  
 115 120 125  
 Ile Ser Arg Asp Asn Val Asn Leu Leu Asn Asp Lys Leu Lys Glu Val  
 130 135 140  
 Pro Val Ile Glu Arg Gln Ile Glu Asn Ile Lys Leu Gln Tyr Glu Asn  
 145 150 155 160  
 Met Val Arg Lys Val Asn Lys Glu Leu Ile Asp Thr Lys Leu Thr Asp  
 165 170 175  
 Val Thr Gln Lys Phe Gln Ser Lys Phe Gly Ile Asp Asn Leu Met Glu  
 180 185 190  
 Thr Asn Val Ala Glu Gln Phe Ser Arg Glu Leu Thr Asp Leu Glu Lys  
 195 200 205  
 Asp Leu Ala Glu Ile Met Asn Ser Leu Thr Gln His Phe Asp Lys Thr  
 210 215 220  
 Leu Leu Leu Gln Asp Lys Lys Ile Asp Asn Asp Glu Arg Glu Glu Leu  
 225 230 235 240  
 Phe Lys Val Val Gln Gly Asp Asp Lys Glu Leu Tyr Asn Ile Phe Lys  
 245 250 255  
 Thr Leu His Glu Val Ile Asp Asp Val Asp Lys Thr Ile Leu Asn Leu  
 260 265 270  
 Gly Gln Phe Leu Gln Ala Lys Ile Lys Glu Lys Thr Glu Leu His Ser  
 275 280 285  
 Glu Val Ser Glu Ile Ile Asn Asp Phe Asn Arg Asn Leu Glu Tyr Leu  
 290 295 300  
 Leu Ile Phe Lys Asp Ile Ser Asn Leu Ile Asp Ser Phe Lys Asn Ser  
 305 310 315 320  
 Cys Thr Gln Asp Ile Gln Thr Thr Lys Glu Leu Cys Glu Phe Tyr Asp  
 325 330 335

Asn Phe Glu Glu Ser Tyr Gly Asn Leu Val Leu Glu Ala Lys Arg Arg  
                   340                                  345                                  350  
 Lys Asp Val Ala Asn Arg Met Lys Thr Ile Leu Lys Asp Cys Glu Lys  
                   355                                  360                                  365  
 Gln Leu Gln Asn Leu Asp Ala Gln Asp Gln Glu Glu Arg Gln Asn Phe  
                   370                                  375                                  380  
 Ile Ala Glu Asn Gly Thr Tyr Leu Pro Glu Thr Ile Trp Pro Gly Lys  
                   385                                  390                                  395                                  400  
 Ile Asp Asp Phe Ser Ser Leu Tyr Thr Leu Asn Tyr Asn Val Lys Asn  
                                   405                                  410                                  415

Pro

<210> 207  
 <211> 1342  
 <212> DNA  
 <213> Candida albicans

<400> 207  
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 aattttacat ccatacattt ttttgaaatt tcatgttttt ttgaaaaatt ggaaaagggc 180  
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<210> 208  
 <211> 146  
 <212> PRT  
 <213> Candida albicans

216

&lt;400&gt; 208

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 Thr Thr Ile Lys Gly Val Gly Arg Arg Tyr Ser Asn Leu Val Cys Lys  
 35 40 45  
 Lys Ala Asp Val Asp Leu His Lys Arg Ala Gly Glu Leu Thr Gln Glu  
 50 55 60  
 Glu Leu Glu Arg Ile Val Gln Ile Met Gln Asn Pro Thr His Tyr Lys  
 65 70 75 80  
 Ile Pro Ala Trp Phe Leu Asn Arg Gln Asn Asp Ile Thr Asp Gly Lys  
 85 90 95  
 Asp Tyr His Thr Leu Ala Asn Asn Val Glu Ser Lys Leu Arg Asp Asp  
 100 105 110  
 Leu Glu Arg Leu Lys Lys Ile Arg Ala His Arg Gly Ile Arg His Phe  
 115 120 125  
 Trp Gly Leu Arg Val Arg Gly Gln His Thr Lys Thr Thr Gly Arg Arg  
 130 135 140  
 Arg Ala  
 145

&lt;210&gt; 209

&lt;211&gt; 1268

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 209

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 gagaagttca aaactctact ttggctcaat tgacctcaa attgattcca gaagttatca 1080

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ctgtgtaa						1268

218

Gly Lys Lys Val Ser Gly Phe Lys Asp Glu Val Leu Glu Thr Val  
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<210> 211  
 <211> 2042  
 <212> DNA  
 <213> Candida albicans

<400> 211  
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<210> 212  
 <211> 513  
 <212> PRT  
 <213> Candida albicans

<400> 212  
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Gln	Glu	Asp	Leu	Ala	Asp	Tyr	Leu	Arg	Asp	Asn	Lys	Lys	Ser	Leu	Glu	35	40	45
Lys	Tyr	Ala	Thr	Asp	Ser	Ile	Glu	Asp	Leu	Lys	Thr	Glu	Ala	Ser	Gln	50	55	60
Val	Trp	Asp	Lys	His	Ala	Gln	Pro	Lys	Pro	Trp	Trp	Gln	Val	Trp	Ser	65	70	75
Ser	Asp	Ser	Ser	Ser	Val	Ser	Asn	Ser	Asn	Pro	Gly	Trp	Phe	Gly	Tyr	85	90	95
Thr	Gly	Ser	Ser	Asp	His	Pro	Val	Ser	Asp	Trp	Leu	Phe	Asp	Thr	Trp	100	105	110
Ser	Thr	Asp	Ser	Leu	Arg	Asn	Phe	Leu	Lys	Lys	Asn	Gly	Val	Asp	Val	115	120	125
Asp	Asp	Ala	Lys	Ala	Ser	Lys	Asp	Ser	Leu	Val	Lys	Thr	Ala	Lys	Glu	130	135	140
Asn	Phe	Asn	Lys	Ile	Ser	Lys	Ser	Leu	Lys	Ser	Ser	Gly	Tyr	Tyr	Pro	145	150	155
Ser	Ser	Ser	Tyr	Phe	Asp	Ser	Trp	Ser	Thr	Lys	Asp	Leu	Gln	Asn	Trp	165	170	175
Leu	Asn	Asp	Asn	Gly	Ile	Asp	Tyr	Asp	Lys	Ala	Val	Gln	Ser	Lys	Asp	180	185	190
Glu	Leu	Val	Gln	Lys	Val	Lys	Glu	Asn	Ile	Tyr	Arg	Thr	Ser	Glu	Lys	195	200	205
Ala	Glu	Gln	Gln	Arg	Leu	Gly	Leu	Leu	Glu	Ser	Leu	Asp	Leu	Ala	His	210	215	220
Gln	Gln	Ile	Leu	Asp	Thr	Ser	Gly	Gln	Ile	Lys	Asp	Thr	Val	Phe	Asp	225	230	235
Lys	Trp	Ser	Ser	Asp	Gln	Leu	Thr	Asn	Trp	Leu	Glu	Ser	His	Lys	Val	245	250	255
Asn	Ile	Asp	Lys	Asn	Met	Ala	Lys	Lys	His	Asp	Tyr	Leu	Val	Arg	Met	260	265	270
Ala	Lys	Glu	Asn	Ser	Ala	Asn	Leu	Lys	Asp	Asp	Ile	Tyr	Trp	Tyr	Leu	275	280	285
Asp	Tyr	Met	Lys	Arg	Glu	Ser	Ser	Pro	Phe	Leu	Thr	Lys	Thr	Pro	Glu	290	295	300
Tyr	Val	Gly	Ser	Val	Trp	Asp	Ser	Ser	Lys	Asn	Phe	Leu	Thr	Asn	Leu	305	310	315
																		320

220

Tyr Ser Lys Phe Arg Gly Lys Thr Asp Asn Val Ile Asn Asp Thr Phe  
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                             340                            345                            350  
 Asp Ala Arg Gly Ile Lys Tyr Ser Met Leu Ser Thr Glu His Gln Leu  
                             355                            360                            365  
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 Pro Val Lys Gln Thr Ser Thr Lys Asp Asp Leu Ile Asn Leu Ala Lys  
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 Gln Asn Thr Gln Trp Leu Phe Gly Thr Val Lys Glu Pro Ala Tyr Lys  
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 Arg Tyr Leu His Asn Val Lys Asn Trp Ser Lys Ser Ile Leu Gly Phe  
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Asn

&lt;210&gt; 213

&lt;211&gt; 2192

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 213

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 <211> 563  
 <212> PRT  
 <213> Candida albicans

<400> 214  
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 Ala Phe Asn Asp Thr His Phe Cys Lys Val Asp Arg Asn Asp His Val  
 35 40 45  
 Ser Pro Ser Cys Asn Val Thr Phe Asn Glu Leu Asn Ala Ile Asn Glu  
 50 55 60  
 Asn Ile Arg Asp Asp Leu Ser Ala Leu Leu Lys Ser Asp Phe Phe Lys  
 65 70 75 80  
 Tyr Phe Arg Leu Asp Leu Tyr Lys Gln Cys Ser Phe Trp Asp Ala Asn  
 85 90 95  
 Asp Gly Leu Cys Leu Asn Arg Ala Cys Ser Val Asp Val Val Glu Asp  
 100 105 110  
 Trp Asp Thr Leu Pro Glu Tyr Trp Gln Pro Glu Ile Leu Gly Ser Phe

115					120					125					
Asn	Asn	Asp	Thr	Met	Lys	Glu	Ala	Asp	Asp	Ser	Asp	Asp	Glu	Cys	Lys
130						135					140				
Phe	Leu	Asp	Gln	Leu	Cys	Gln	Thr	Ser	Lys	Lys	Pro	Val	Asp	Ile	Glu
145					150					155					160
Asp	Thr	Ile	Asn	Tyr	Cys	Asp	Val	Asn	Asp	Phe	Asn	Gly	Lys	Asn	Ala
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Val	Leu	Ile	Asp	Leu	Thr	Ala	Asn	Pro	Glu	Arg	Phe	Thr	Gly	Tyr	Gly
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Glu	Tyr	Leu	Asn	Thr	Lys	Thr	Gly	Lys	Trp	Glu	Pro	Asn	Leu	Asp	Leu
			245						250					255	
Phe	Met	Ala	Arg	Ile	Gly	Asn	Phe	Pro	Asp	Arg	Val	Thr	Asn	Met	Tyr
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Leu	Pro	Glu	Phe	Ser	Phe	Cys	Asp	Leu	Val	Asn	Lys	Glu	Ile	Lys	Asn
	290					295					300				
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305					310					315					320
Asp	Leu	Val	Phe	Ala	Asn	Asp	Leu	Ser	Leu	Thr	Leu	Lys	Asp	Glu	Phe
			325						330					335	
Arg	Ser	Arg	Phe	Lys	Asn	Val	Thr	Lys	Ile	Met	Asp	Cys	Val	Gln	Cys
			340					345					350		
Asp	Arg	Cys	Arg	Leu	Trp	Gly	Lys	Ile	Gln	Thr	Thr	Gly	Tyr	Ala	Thr
	355						360					365			
Ala	Leu	Lys	Ile	Leu	Phe	Glu	Ile	Asn	Asp	Ala	Asp	Glu	Phe	Thr	Lys
	370					375					380				
Gln	His	Ile	Val	Gly	Lys	Leu	Thr	Lys	Tyr	Glu	Leu	Ile	Ala	Leu	Leu
385					390					395					400
Gln	Thr	Phe	Gly	Arg	Leu	Ser	Glu	Ser	Ile	Glu	Ser	Val	Asn	Met	Phe
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Glu	Lys	Met	Tyr	Gly	Lys	Arg	Leu	Asn	Gly	Ser	Glu	Asn	Arg	Leu	Ser

420	425	430
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435	440	445
Ser Ile Arg Tyr Thr Ile Glu Asn Ile Asn Ser Thr Lys Glu Gly Lys		
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Lys Lys Thr Asn Asn Ser Gln Ser His Val Phe Asp Asp Leu Lys Met		
465	470	475
480		
Pro Lys Ala Glu Ile Val Pro Arg Pro Ser Asn Gly Thr Val Asn Lys		
485	490	495
Trp Lys Lys Ala Trp Asn Thr Glu Val Asn Asn Val Leu Glu Ala Phe		
500	505	510
Arg Phe Ile Tyr Arg Ser Tyr Leu Asp Leu Pro Arg Asn Ile Trp Glu		
515	520	525
Leu Ser Leu Met Lys Val Tyr Lys Phe Trp Asn Lys Phe Ile Gly Val		
530	535	540
Ala Asp Tyr Val Ser Glu Glu Thr Arg Glu Pro Ile Ser Tyr Lys Leu		
545	550	555
560		
Asp Ile Gln		

&lt;210&gt; 215

&lt;211&gt; 998

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 215

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&lt;210&gt; 216

224

&lt;211&gt; 165

&lt;212&gt; PRT

<213> *Candida albicans*

&lt;400&gt; 216

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 20 25 30

Asn Ile Phe Ile Trp Asp Cys Leu Ile Gln Gly Pro Pro Asp Thr Pro  
 35 40 45

Tyr Ala Asp Gly Val Phe Asn Ala Lys Leu Glu Phe Pro Lys Asp Tyr  
 50 55 60

Pro Leu Ser Pro Pro Lys Leu Thr Phe Thr Pro Ser Ile Leu His Pro  
 65 70 75 80

Asn Ile Tyr Pro Asn Gly Glu Val Cys Ile Ser Ile Leu His Ser Pro  
 85 90 95

Gly Asp Asp Pro Asn Met Tyr Glu Leu Ala Glu Glu Arg Trp Ser Pro  
 100 105 110

Val Gln Ser Val Glu Lys Ile Leu Leu Ser Val Met Ser Met Leu Ser  
 115 120 125

Glu Pro Asn Ile Glu Ser Gly Ala Asn Ile Asp Ala Cys Ile Leu Trp  
 130 135 140

Arg Asp Asn Arg Pro Glu Phe Glu Arg Gln Val Lys Leu Ser Ile Leu  
 145 150 155 160

Lys Ser Leu Gly Phe  
 165

&lt;210&gt; 217

&lt;211&gt; 1091

&lt;212&gt; DNA

<213> *Candida albicans*

&lt;400&gt; 217

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 ttgcatcgca tccagttctc atgcaatata gttgtatacc atgtcgttga aaggaaccag 180  
 agtaaact tctaccagta tttctttacg gttcggatca aaaccatcac tcattcgggtc 240  
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 atccgtaata gtttttttct tattttggac ttttgtaaaa aagggattag ggatacgttg 360  
 ctcatataaaa aattgacgaa gatttttagat aatggcaa ataaaatgaaa tagtatcaat 420  
 ataccgaaaa attaatacaca ctcaatgcga ctgtgatagc tgataagtgg agctcagaaa 480  
 tattcagaag cgtaagaata atgaaagcaa ccattcaaag agtaacatct gtatttggag 540  
 ttccccgagc atctgtattc gtgccaagaa tcagcacacc atttattttg cataattata 600  
 tctctaattg cagaatggac cttttttcca aagaattcca caatggccgc gtatccaaat 660

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<210> 218  
 <211> 196  
 <212> PRT  
 <213> Candida albicans

<400> 218  
 Met Lys Ala Thr Ile Gln Arg Val Thr Ser Val Phe Gly Val Pro Arg  
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 Ala Ser Val Phe Val Pro Arg Ile Ser Thr Pro Phe Ile Leu His Asn  
                   20                  25                  30  
 Tyr Ile Ser Asn Gly Arg Met Asp Leu Phe Ser Lys Glu Phe His Asn  
           35                  40                  45  
 Gly Arg Val Ser Lys Ser Asp Leu Trp Ser Ser Asn Lys Glu Glu Glu  
           50                  55                  60  
 Leu Leu Val Ser Gln Arg Lys Lys Arg Pro Ile Ser Pro His Leu Thr  
   65                  70                  75                  80  
 Val Tyr Glu Pro Glu Met Ser Trp Tyr Leu Ser Ser Leu His Arg Ile  
                   85                  90                  95  
 Ser Gly Val Leu Leu Ala Leu Gly Phe Tyr Ala Phe Thr Ile Thr Leu  
           100                  105                  110  
 Gly Val Thr Thr Ile Met Gly Met Asp Thr Thr Phe Gln Asp Leu Asn  
           115                  120                  125  
 Lys Trp Tyr His Glu Lys Met Pro Lys Trp Ser Gln Trp Val Ala Lys  
           130                  135                  140  
 Gly Ser Ala Ala Tyr Leu Phe Ala Phe His Phe Gly Asn Gly Ile Arg  
   145                  150                  155                  160  
 His Leu Ile Trp Asp Met Gly Tyr Glu Leu Thr Asn Arg Gly Val Ile  
           165                  170                  175  
 Lys Thr Gly Ser Ile Val Leu Ala Gly Thr Leu Val Leu Gly Thr Tyr  
           180                  185                  190  
 Leu Leu Ala Gln  
           195

<210> 219  
 <211> 1121  
 <212> DNA  
 <213> Candida albicans

<400> 219  
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 gtacacataa ggaaacaact gtaaagataa acaataaggg cttccaatgc cattgtaaga 480  
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 ataattgtta ctaacattga atttcctcgt aactaattgc attacttctt tagacttttg 720  
 gtaagaagaa atcagctact gctgttgccc atgtcaaggc cggttaaggt ttgatcaagg 780  
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 gtaaggggtgc tcgttccaga ttccaaaaat cttaccgtta a 1121

<210> 220  
 <211> 143  
 <212> PRT  
 <213> Candida albicans

<400> 220  
 Met Tyr Ser Glu Tyr Lys Ala Ser Thr Phe Gly Lys Lys Lys Ser Ala  
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 Thr Ala Val Ala His Val Lys Ala Gly Lys Gly Leu Ile Lys Val Asn  
 20 25 30  
 Gly Ser Pro Ile Thr Leu Val Glu Pro Glu Ile Leu Arg Phe Lys Val  
 35 40 45  
 Tyr Glu Pro Leu Leu Leu Val Gly Leu Asp Lys Phe Ser Asn Ile Asp  
 50 55 60  
 Ile Arg Val Arg Val Thr Gly Gly Gly His Val Ser Gln Val Tyr Ala  
 65 70 75 80  
 Ile Arg Gln Ala Ile Ala Lys Gly Leu Val Ala Tyr His Gln Lys Tyr  
 85 90 95  
 Val Asp Glu Gln Ser Lys Asn Glu Leu Lys Lys Ala Phe Thr Ser Tyr  
 100 105 110  
 Asp Arg Thr Leu Leu Ile Ala Asp Ser Arg Arg Pro Glu Pro Lys Lys  
 115 120 125

227

Phe Gly Gly Lys Gly Ala Arg Ser Arg Phe Gln Lys Ser Tyr Arg  
 130 135 140

<210> 221  
 <211> 707  
 <212> DNA  
 <213> Candida albicans

<400> 221  
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 gtaaatacag aagggttaaga gatagttgtc ttaaaggggt accgaaagca tttaggggag 240  
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 aacatctgaa gtggatagat taatcgtaca gtaatcgtac agtactatgt cttactgatg 360  
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 aaaactctat tctagttctc gccatttacc ttgactttta tgaaccaata aaagaaattt 480  
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 aagagcaata caacaagctc aaaggggagg ggcataagaa ggagtag 707

<210> 222  
 <211> 68  
 <212> PRT  
 <213> Candida albicans

<400> 222  
 Met Asn Thr Asp Gln Gln Lys Val Ser Glu Ile Phe Gln Ser Ser Lys  
 1 5 10 15  
 Glu Lys Leu Gln Gly Asp Ala Lys Val Val Ser Asp Ala Phe Lys Lys  
 20 25 30  
 Met Ala Ser Gln Asp Lys Asp Gly Lys Thr Thr Asp Ala Asp Glu Ser  
 35 40 45  
 Glu Lys His Asn Tyr Gln Glu Gln Tyr Asn Lys Leu Lys Gly Ala Gly  
 50 55 60  
 His Lys Lys Glu  
 65

<210> 223  
 <211> 1877  
 <212> DNA  
 <213> Candida albicans

<400> 223  
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 gttgtttcgt agcagtattc gttggtccag atgcaggaat gctgggtata aagtttggtg 180

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cttatgaatt ggtctag 1877

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&lt;210&gt; 224

&lt;211&gt; 458

&lt;212&gt; PRT

<213> *Candida albicans*

&lt;400&gt; 224

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Met Ile Thr Gln Pro Ala Lys Cys Pro Leu Leu Ile Arg Ile Ser Ala
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Phe Arg Ser Gly Ser Ser Phe Leu Leu Tyr Val His Cys Lys Ser Ile
          20                      25                      30

Asn Lys Ser Trp Gln Pro Lys Pro Gly Asn Pro Leu Arg Asn Ala Arg
          35                      40                      45

Leu Asn Tyr Ile Asn Ile Lys Asp Met Trp Arg Glu Ala Ser Leu Pro
          50                      55                      60

Ser His Phe Ala Phe His Asp Leu Lys Trp Phe Phe His Asn Arg Arg
          65                      70                      75                      80

Ala Pro Thr Arg Asn Met Ala Val Gly Gly Asn Asn Trp Ser Met Trp
          85                      90                      95

Leu Arg Met Ser Arg Val His Leu Arg Gln Ile Thr Lys Ser Leu Asp
          100                      105                      110

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230

Asn Ala Leu Val Asn Val Asp Asn Ser Gly Ser Val Trp Ser Phe Val  
 420 425 430

Lys Glu Pro Ser Phe Pro Ser Arg Ser Ala Phe Ser Pro Ile Leu Ser  
 435 440 445

Asp Ala Ser Tyr Asp Thr Tyr Glu Leu Val  
 450 455

<210> 225  
 <211> 1228  
 <212> DNA  
 <213> Candida albicans

<400> 225  
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 agaatacttg aacttgctg aacacattgt cccaggtacc tacattcaag aaagaaaccc 1200  
 atcccaaaga cctcaaagaa gatactaa 1228

<210> 226  
 <211> 105  
 <212> PRT  
 <213> Candida albicans

<400> 226  
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 Gln Glu Gly Val Val Val Ala Lys Lys Asp Phe Asn Gln Ala Lys His  
 20 25 30  
 Glu Glu Ile Asp Thr Lys Asn Leu Tyr Val Ile Lys Ala Leu Gln Ser  
 35 40 45  
 Leu Thr Ser Lys Gly Tyr Val Lys Thr Gln Phe Ser Trp Gln Tyr Tyr

50		55		60
Tyr Tyr Thr Leu Thr Glu Glu Gly Val Glu Tyr Leu Arg Glu Tyr Leu				
65		70		75
				80
Asn Leu Pro Glu His Ile Val Pro Gly Thr Tyr Ile Gln Glu Arg Asn				
	85		90	95
Pro Ser Gln Arg Pro Gln Arg Arg Tyr				
100			105	

<210> 227  
 <211> 3998  
 <212> DNA  
 <213> Candida albicans

<400> 227

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&lt;210&gt; 228

&lt;211&gt; 1165

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 228

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Met Thr Glu Glu Asp Arg Lys Leu Thr Val Glu Thr Glu Thr Val Glu
  1                      5                      10                     15

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Ala Pro Val Ala Asn Asn Leu Leu Leu Ser Asn Asn Ser Asn Val Val
      20                      25                     30

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Ala Pro Asn Pro Ser Ile Pro Ser Ala Ser Thr Ser Thr Ser Pro Leu
      35                      40                     45

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```

His Arg Glu Ile Val Asp Asp Ser Val Ala Thr Ala Asn Thr Thr Ser
      50                      55                     60

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Asn Val Val Gln His Asn Leu Pro Thr Ile Asp Asn Asn Leu Met Asp
      65                      70                     75                     80

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Ser Asp Ala Thr Ser His Asn Gln Asp His Trp His Ser Asp Ile Asn
      85                      90                     95

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Arg Ala Gly Thr Ser Met Ser Thr Ser Asp Ile Pro Thr Asp Leu His
      100                     105                    110

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Leu Glu His Ile Gly Ser Val Ser Ser Thr Asn Asn Asn Ser Asn Asn  
 115 120 125  
 Ala Leu Ile Asn His Asn Pro Leu Ser Ser His Leu Ser Asn Pro Ser  
 130 135 140  
 Ser Ser Leu Arg Asn Lys Lys Ser Ser Leu Leu Val Ala Ser Asn Pro  
 145 150 155 160  
 Ala Phe Ala Ser Asp Val Glu Leu Ser Lys Lys Lys Pro Ala Val Ile  
 165 170 175  
 Ser Asn Asn Met Pro Thr Ser Asn Ile Ala Leu Tyr Gln Thr Ala Arg  
 180 185 190  
 Ser Ala Asn Ile His Gly Pro Ser Ser Thr Ser Ala Ser Lys Ala Phe  
 195 200 205  
 Arg Lys Ala Ser Ala Phe Ser Asn Asn Thr Ala Pro Ser Thr Ser Asn  
 210 215 220  
 Asn Ile Gly Ser Asn Thr Pro Pro Ala Pro Leu Leu Pro Leu Pro Ser  
 225 230 235 240  
 Leu Ser Gln Gln Asn Lys Pro Lys Ile Ile Glu Arg Pro Thr Met His  
 245 250 255  
 Val Thr Asn Ser Arg Glu Ile Leu Leu Gly Glu Asn Leu Leu Asp Asp  
 260 265 270  
 Thr Lys Ala Lys Asn Ala Pro Ala Asn Ser Thr Thr His Asp Asn Gly  
 275 280 285  
 Pro Val Ala Asn Asp Gly Leu Arg Ile Pro Asn His Ser Asn Ala Asp  
 290 295 300  
 Asp Asn Glu Asn Asn Asn Lys Met Lys Lys Asn Lys Asn Ile Asn Ser  
 305 310 315 320  
 Gly Lys Asn Glu Arg Asn Asp Asp Thr Ser Lys Ile Cys Thr Thr Ser  
 325 330 335  
 Thr Lys Thr Ala Pro Ser Thr Ala Pro Leu Gly Ser Thr Asp Asn Thr  
 340 345 350  
 Gln Ala Leu Thr Ala Ser Val Ser Ser Ser Asn Ala Asp Asn His Asn  
 355 360 365  
 Asn Asn Lys Lys Lys Thr Ser Ser Asn Asn Asn Gly Asn Asn Ser Asn  
 370 375 380  
 Ser Ala Ser Asn Lys Thr Asn Ala Asp Ile Lys Asn Ser Asn Ala Asp  
 385 390 395 400  
 Leu Ser Ala Ser Thr Ser Asn Asn Asn Ala Ile Asn Asp Asp Ser His  
 405 410 415

Glu Ser Asn Ser Glu Lys Pro Thr Lys Ala Asp Phe Phe Ala Ala Arg  
                   420                                  425                                  430  
 Leu Ala Thr Ala Val Gly Glu Asn Glu Ile Ser Asp Ser Glu Glu Thr  
                   435                                  440                                  445  
 Phe Val Tyr Glu Ser Ala Ala Asn Ser Thr Lys Asn Leu Ile Phe Pro  
                   450                                  455                                  460  
 Asp Ser Ser Ser Gln Gln Gln Gln Gln Gln Gln Gln Pro Pro Lys Gln  
                   465                                  470                                  475                                  480  
 Gln Gln Gln Gln Gln Asn His Gly Ile Thr Ser Lys Ile Ser Ala Pro  
                                   485                                  490                                  495  
 Leu Leu Asn Asn Asn Lys Lys Leu Leu Ser Arg Leu Lys Asn Ser Arg  
                                   500                                  505                                  510  
 His Ile Ser Thr Gly Ala Ile Leu Asn Asn Thr Ile Ala Thr Ile Ser  
                                   515                                  520                                  525  
 Thr Asn Pro Asn Leu Asn Ser Asn Val Met Gln Asn Asn Asn Asn Leu  
                   530                                  535                                  540  
 Met Ser Gly His Asn His Leu Asp Glu Leu Ser Ser Ile Lys Gln Glu  
                   545                                  550                                  555                                  560  
 Pro Pro His Gln Leu Gln Gln Gln Gln Pro Pro Met Asp Val Gln Ser  
                                   565                                  570                                  575  
 Val Asp Ser Tyr Thr Ser Asp Asn Pro Asp Ser Asn Val Ile Ala Lys  
                                   580                                  585                                  590  
 Ser Pro Asp Lys Arg Ser Ser Leu Val Ser Leu Ser Lys Val Ser Pro  
                                   595                                  600                                  605  
 His Leu Leu Ser Ser Thr Ser Ser Asn Gly Asn Thr Ile Ser Cys Pro  
                   610                                  615                                  620  
 Asn Val Ala Thr Asn Ser Gln Glu Leu Glu Pro Asn Asn Asp Ile Ser  
                   625                                  630                                  635                                  640  
 Thr Lys Lys Ser Leu Ser Asn Ser Thr Leu Arg His Ser Ser Ala Asn  
                                   645                                  650                                  655  
 Arg Asn Ser Asn Tyr Gly Asp Asn Lys Arg Pro Leu Arg Thr Thr Val  
                                   660                                  665                                  670  
 Ser Lys Ile Phe Asp Ser Asn Pro Asn Gly Ala Pro Leu Arg Arg Tyr  
                   675                                  680                                  685  
 Ser Gly Val Pro Asp His Val Asn Leu Glu Asp Tyr Ile Glu Gln Pro  
                   690                                  695                                  700  
 His Asn Tyr Pro Thr Met Gln Asn Ser Val Lys Lys Asp Glu Phe Tyr  
                   705                                  710                                  715                                  720

Asn Ser Arg Asn Asn Lys Phe Pro His Gly Leu Asn Phe Tyr Gly Asp  
 725 730 735  
 Asn Asn Val Ile Glu Glu Glu Asn Asn Gly Asp Ser Ser Asn Val Asn  
 740 745 750  
 Arg Pro Gln His Thr Asn Leu Gln His Glu Phe Ile Pro Glu Asp Asn  
 755 760 765  
 Glu Ser Asp Glu Asn Asp Ile His Ser Met Phe Tyr Tyr Asn His Lys  
 770 775 780  
 Asn Asp Leu Glu Thr Lys Pro Leu Ile Ser Asp Tyr Gly Glu Asp Glu  
 785 790 795 800  
 Asp Val Asp Asp Tyr Asp Arg Pro Asn Ala Thr Phe Asn Ser Tyr Tyr  
 805 810 815  
 Gly Ser Ala Ser Asn Thr His Glu Leu Pro Leu His Gly Arg Met Pro  
 820 825 830  
 Ser Arg Ser Asn Asn Asp Tyr Tyr Asp Phe Met Val Gly Asn Asn Thr  
 835 840 845  
 Gly Asn Asn Asn Gln Leu Asn Glu Tyr Thr Pro Leu Arg Met Lys Arg  
 850 855 860  
 Gly Gln Arg His Leu Ser Arg Thr Asn Asn Ser Ile Met Asn Gly Ser  
 865 870 875 880  
 Ile His Met Asn Gly Asn Asp Asp Val Thr His Ser Asn Ile Asn Asn  
 885 890 895  
 Asn Asp Ile Val Gly Tyr Ser Pro His Asn Phe Tyr Ser Arg Lys Ser  
 900 905 910  
 Pro Phe Val Lys Val Lys Asn Phe Leu Tyr Leu Ala Phe Val Ile Ser  
 915 920 925  
 Ser Leu Leu Met Thr Gly Phe Ile Leu Gly Phe Leu Leu Ala Thr Asn  
 930 935 940  
 Lys Glu Leu Gln Asp Val Asp Val Val Val Met Asp Asn Val Ile Ser  
 945 950 955 960  
 Ser Ser Asp Glu Leu Ile Phe Asp Ile Thr Val Ser Ala Phe Asn Pro  
 965 970 975  
 Gly Phe Phe Ser Ile Ser Val Ser Gln Val Asp Leu Asp Ile Phe Ala  
 980 985 990  
 Lys Ser Ser Tyr Leu Lys Cys Asp Ser Asn Gly Asp Cys Thr Val Met  
 995 1000 1005  
 Glu Gln Glu Arg Lys Ile Leu Gln Ile Thr Thr Asn Leu Ser Leu Val  
 1010 1015 1020

Glu Glu Ser Ala Asn Asn Asp Ile Ser Gly Gly Asn Ile Glu Thr Val  
 1025 1030 1035 1040

Leu Leu Gly Thr Ala Lys Lys Leu Glu Thr Pro Leu Lys Phe Gln Gly  
 1045 1050 1055

Gly Ala Phe Asn Arg Asn Tyr Asp Val Ser Val Ser Ser Val Lys Leu  
 1060 1065 1070

Leu Ser Pro Gly Ser Arg Glu Ala Lys His Glu Asn Asp Asp Asp Asp  
 1075 1080 1085

Asp Asp Asp Gly Asp Asp Gly Asp Asp Glu Asn Asn Thr Asn Glu Arg  
 1090 1095 1100

Gln Tyr Lys Ser Lys Pro Asn Ala Arg Asp Asp Lys Glu Asp Asp Thr  
 1105 1110 1115 1120

Lys Lys Trp Lys Leu Leu Ile Lys His Asp Tyr Glu Leu Ile Val Arg  
 1125 1130 1135

Gly Ser Met Lys Tyr Glu Val Pro Phe Phe Asn Thr Gln Lys Ser Thr  
 1140 1145 1150

Ala Ile Gln Lys Asp Ser Met Val His Pro Gly Lys Lys  
 1155 1160 1165

<210> 229

<211> 1076

<212> DNA

<213> Candida albicans

<400> 229

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gacgactatt gatgccaggc aaatttttggg tttactgctc ctctttttaag aagacaagtg 60
tgtgatatcg tagcggtagg aaccaatttt gcaatcgatt tacttacagc caagaaaatc 120
tattttcatg ttttagcattg ccatttcttc tgtgtcacac gttgtgcttg ccaggaacta 180
taggagagac gtatacaagc atcaatgtta cgaatgtacg atcccgtttg catctgatgt 240
gtaaactcat gtggtgcact ggtgtgtgtt ccaagactgc actattaact ggggaattttt 300
ttttttcttc tagtgaattt ttttttaaag cgacgcacag gaaaagtga aattatttaa 360
acggacggca aacatgaaaa aaaaaattac caaccatatt tctatttctt ttccctttac 420
ctatttctct tttgaaatag ttcattttct ctctctgaaa cgacaataaa ccaaactcta 480
gcctccaata gtcactaaag atgaagtaca ttcaaaccga acaacaaatt gaaatcccag 540
aagggtgttac tgtcagcatt aagtccagaa tcgtcaaggt tgtcggtcca agagggtactt 600
tgaccaagaa cttgaagcat attgatgtta ccttcaccaa ggtcaacaac caattgatca 660
agggttgctgt tcacaacggg gacagaaagc acgttgccgc tttgagaacc gttaaatctt 720
tggttgacaa catgatcact ggtgtcacca agggttacaa gtacaagatg agatacgtct 780
acgcgcattt cccaatcaac gtcaacattg ttgaaaagga tggtgctaaa ttcattgaag 840
tcagaaactt tttgggtgac aagaagatca gaaacgtccc agttagagat ggtgttacta 900
tcgaattctc tactaacgta aaggacgaaa tcgtcttctc tggttaactct gttgaagacg 960
tttcccaaaa tgccgctgac ttgcaacaaa tctgtcgtgt tagaaacaag gatatccgta 1020
agtttttggg tggtatctac gtttcccaca agggtttcat tgtcgaagac atgtaa 1076

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<210> 230



237

<211> 191  
 <212> PRT  
 <213> Candida albicans

<400> 230

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Met Lys Tyr Ile Gln Thr Glu Gln Gln Ile Glu Ile Pro Glu Gly Val
  1             5             10             15

Thr Val Ser Ile Lys Ser Arg Ile Val Lys Val Val Gly Pro Arg Gly
      20             25             30

Thr Leu Thr Lys Asn Leu Lys His Ile Asp Val Thr Phe Thr Lys Val
      35             40             45

Asn Asn Gln Leu Ile Lys Val Ala Val His Asn Gly Asp Arg Lys His
      50             55             60

Val Ala Ala Leu Arg Thr Val Lys Ser Leu Val Asp Asn Met Ile Thr
      65             70             75             80

Gly Val Thr Lys Gly Tyr Lys Tyr Lys Met Arg Tyr Val Tyr Ala His
      85             90             95

Phe Pro Ile Asn Val Asn Ile Val Glu Lys Asp Gly Ala Lys Phe Ile
      100            105            110

Glu Val Arg Asn Phe Leu Gly Asp Lys Lys Ile Arg Asn Val Pro Val
      115            120            125

Arg Asp Gly Val Thr Ile Glu Phe Ser Thr Asn Val Lys Asp Glu Ile
      130            135            140

Val Leu Ser Gly Asn Ser Val Glu Asp Val Ser Gln Asn Ala Ala Asp
      145            150            155            160

Leu Gln Gln Ile Cys Arg Val Arg Asn Lys Asp Ile Arg Lys Phe Leu
      165            170            175

Asp Gly Ile Tyr Val Ser His Lys Gly Phe Ile Val Glu Asp Met
      180            185            190

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<210> 231  
 <211> 1373  
 <212> DNA  
 <213> Candida albicans

<400> 231

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tcgatggata tcccatccaa gaacaggaat actggggtttt tgaagaccag aatggagatc 60
tctgaggaag aaaagatggt acgtacaata tcacggcttg acaatacgag tattgcaaac 120
agtaatggaa atggtaatga tgacacctct aatcagagaa cggaagcact ggggcgtaag 180
acgagtaatg gagggcgaat atgattacta agttaaataa atcagatata gtatttaaag 240
ttctttcaaa aaaagataat gtcatatatt ttactatcta cgcagtgaaa gagttccttc 300
taatgacaca ctattcactt cgggtaacgg atattgtgta ctgaaaaata taaaaaattt 360
tatcccgga atgcgatgag atgaaaatgc atgaagtagc gtatatattg attgcatgag 420
gttggacttg aaagggcata tatactcggt tttatcattg attcaagtgt tcccataaat 480

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aataaaacag ttaaatacgaa atgctaagaa gacaagcccc tgaaaggaga gaatatctat 540
acagaaaagc gcaagaatta caagattctc aactgcaaca aaaacgtcaa ataattaaac 600
aagcgctagc tcaggggaag ccattgccaa aggaactagc agaagatgag agttttacaaa 660
aggatttcag atatgaccaa agttttaagg agagcgaaga agcagatgat ctacagggttg 720
atgatgaata tgctgccaca agtggtataa tggatccaag aatcatcgtc acaacatctc 780
gtgacccaag cactcgtctc tcgcaatttg ccaaagaaat taaactgcta tttccaaatg 840
ctgtcagggt gaacagaggt aattatgtga tgccaaatct agtggatgct tgtaaaaaat 900
ccggtactac agatttggtg gtattacatg aacatagagg tgttccaact tctttgacca 960
tatcacattt tccacatgga cccactgcac agtttagttt acacaatggt gttatgagac 1020
atgatattat aaatgctggt aaccaaagcg aagtgaatcc acatctaata tttgataact 1080
ttactaccgc tttagggaaa agagtagtct gtatttttaa gcacttggtc aatgcggggc 1140
ccaaaaaaga ttccgaaaga gtaatcactt ttgcgaatag gggtgatttc attagcgtaa 1200
gacagcatgt atatgtgaga acaagagagg gagtagagat tgccgaagtt ggtcctagat 1260
ttgagatgag gttgtttgaa ctgaggttgg gaactttaga aaataaggac gctgatgttg 1320
agtggcagtt gagaagattc ataaggactg ccaataaaaa agactatttg tga 1373

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&lt;210&gt; 232

&lt;211&gt; 290

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 232

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Met Leu Arg Arg Gln Ala Arg Glu Arg Arg Glu Tyr Leu Tyr Arg Lys
 1              5              10              15

Ala Gln Glu Leu Gln Asp Ser Gln Leu Gln Gln Lys Arg Gln Ile Ile
      20              25              30

Lys Gln Ala Leu Ala Gln Gly Lys Pro Leu Pro Lys Glu Leu Ala Glu
      35              40              45

Asp Glu Ser Leu Gln Lys Asp Phe Arg Tyr Asp Gln Ser Leu Lys Glu
      50              55              60

Ser Glu Glu Ala Asp Asp Leu Gln Val Asp Asp Glu Tyr Ala Ala Thr
      65              70              75              80

Ser Gly Ile Met Asp Pro Arg Ile Ile Val Thr Thr Ser Arg Asp Pro
      85              90              95

Ser Thr Arg Leu Ser Gln Phe Ala Lys Glu Ile Lys Leu Leu Phe Pro
      100             105             110

Asn Ala Val Arg Leu Asn Arg Gly Asn Tyr Val Met Pro Asn Leu Val
      115             120             125

Asp Ala Cys Lys Lys Ser Gly Thr Thr Asp Leu Val Val Leu His Glu
      130             135             140

His Arg Gly Val Pro Thr Ser Leu Thr Ile Ser His Phe Pro His Gly
      145             150             155             160

Pro Thr Ala Gln Phe Ser Leu His Asn Val Val Met Arg His Asp Ile
      165             170             175

Ile Asn Ala Gly Asn Gln Ser Glu Val Asn Pro His Leu Ile Phe Asp

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180	185	190
Asn Phe Thr Thr Ala Leu Gly Lys Arg Val Val Cys Ile Leu Lys His		
195	200	205
Leu Phe Asn Ala Gly Pro Lys Lys Asp Ser Glu Arg Val Ile Thr Phe		
210	215	220
Ala Asn Arg Gly Asp Phe Ile Ser Val Arg Gln His Val Tyr Val Arg		
225	230	235
Thr Arg Glu Gly Val Glu Ile Ala Glu Val Gly Pro Arg Phe Glu Met		
245	250	255
Arg Leu Phe Glu Leu Arg Leu Gly Thr Leu Glu Asn Lys Asp Ala Asp		
260	265	270
Val Glu Trp Gln Leu Arg Arg Phe Ile Arg Thr Ala Asn Lys Lys Asp		
275	280	285
Tyr Leu		
290		

&lt;210&gt; 233

&lt;211&gt; 1418

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 233

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aacacacctac ttatagacac gaccaaactt tccacaacct ttcacagag agaaatgttg 60
atcaagttga atgcgtgaaa gtagcaattc gaaacaacaa ctacctgtca ttctgcatag 120
tagtagttac gaaaggcaca gaaaataaca aaaaaaaaaa aaaagtcaat tttctacggt 180
ctccatccgt acctctttaa atccgtacat tattgttttg cttaatttca atatttcgga 240
aaaagcgagc gccctggtaa aatgtgggtc aagcctgcga gcctttgctt ggtaactcac 300
caaatgcaat tcagtcacgt tccacacagt ttgggtttcc agcctggctt tagggaagaa 360
tgggctcact aggcgttcat aatacgcgga gggggaaata ccaaatgcta ttgattatgg 420
ttaaaatatg tgttatttga ctttgtatat acaaacagaa gagaaaccaa cactactaaag 480
actagacaca taactgacca atgtcctctg tccaatccaa gatcttatcc caagctccaa 540
gtgagttgga attacaagtc gccaaagcct tcacgatctc agaaagctcc tctccagaac 600
taaaggctga cttgagacca ttgcaaatca aatctatcag agaagtatgt taaaagttat 660
ataatttgga agcagcaaca ttgtgatttc ttctaaaggg gttctttgca gtaatttttt 720
caaaaaagag tgatttttgag cagtatctgt atgaaatttt catgtgttcg agaaaaatag 780
taattccgag agctgtcaat accatgaacg ttgcatgag cctttgaact ataaaggcct 840
ccttggtcag taccaatatc gatgaataaa atagaagcac gcgaaaaaga ccttacccca 900
aggagaagaa tcacaaaccc ttttttgtta tgaatgaacc aattcagtta ctaactttat 960
ttcaacgctg cttgattctt attgtttaga ttgatgtcac cgggtggtaag aaagcactag 1020
tcctttttgt ccagttcca gctttgtctg cataccataa ggtccaaacc aaattgacct 1080
gtgaattgga aaagaaattc cctgaccgtc atgttatttt cttggctgaa agaagaatct 1140
tgccaaaacc atctagaaca tctagacaag tccaaaagag accaagatcc agaactttga 1200
ctgctgttca cgacaagggt ttggaagaca tgggtttccc aactgaaatt gtcggtaaaa 1260
gagttagata tttggttggt ggtaacaaga tccaaaaggt tttgtagac tccaaggatg 1320
ttcaacaaat cgactacaag ttggaatctt tccaagctgt ctacaacaag ttgactggca 1380
aacaattgt ttttgaaatt ccaagccaga ccaactaa 1418

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240

<210> 234  
 <211> 190  
 <212> PRT  
 <213> Candida albicans

<400> 234  
 Met Ser Ser Val Gln Ser Lys Ile Leu Ser Gln Ala Pro Ser Glu Leu  
     1                    5                    10                    15  
 Glu Leu Gln Val Ala Lys Thr Phe Ile Asp Leu Glu Ser Ser Ser Pro  
                     20                    25                    30  
 Glu Leu Lys Ala Asp Leu Arg Pro Leu Gln Ile Lys Ser Ile Arg Glu  
                     35                    40                    45  
 Ile Asp Val Thr Gly Gly Lys Lys Ala Leu Val Leu Phe Val Pro Val  
                     50                    55                    60  
 Pro Ala Leu Ser Ala Tyr His Lys Val Gln Thr Lys Leu Thr Arg Glu  
                     65                    70                    75                    80  
 Leu Glu Lys Lys Phe Pro Asp Arg His Val Ile Phe Leu Ala Glu Arg  
                     85                    90                    95  
 Arg Ile Leu Pro Lys Pro Ser Arg Thr Ser Arg Gln Val Gln Lys Arg  
                     100                    105                    110  
 Pro Arg Ser Arg Thr Leu Thr Ala Val His Asp Lys Val Leu Glu Asp  
                     115                    120                    125  
 Met Val Phe Pro Thr Glu Ile Val Gly Lys Arg Val Arg Tyr Leu Val  
                     130                    135                    140  
 Gly Gly Asn Lys Ile Gln Lys Val Leu Leu Asp Ser Lys Asp Val Gln  
                     145                    150                    155                    160  
 Gln Ile Asp Tyr Lys Leu Glu Ser Phe Gln Ala Val Tyr Asn Lys Leu  
                     165                    170                    175  
 Thr Gly Lys Gln Ile Val Phe Glu Ile Pro Ser Gln Thr Asn  
                     180                    185                    190

<210> 235  
 <211> 1333  
 <212> DNA  
 <213> Candida albicans

<400> 235  
 ttcacaccca atatagacta atgcgttttg gaacgcca aaatagcaaa 60  
 tatgtagctg tcatatcggc atataataac agttttctac caaatgctgt cctacattca 120  
 gagatcttac atccttacat ctaaagtaaa acctagacat ttacttcgag ttatactttt 180  
 tttttattta tctatttttt ctcttgcgga catttaacac ctgaattccg cctaacgcca 240  
 ggactgatcc tgccaggga gggagctttg tctagtgcc ataggccgga ccagtaggaa 300  
 ggttacagca gctggccgc agagtgattg ggtaacagga aatagcgcaa ctttctcttt 360  
 tgcccggaaggagggttca atctaccttc gaagggttag tacatgagcg cgaaggaggc 420

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agataatagc accattaagt ggtccaaatg catcttgaaa tctaatecctt aatagaggaa 480
aacaacaatt atcagtaaaa atgggtatgt tataaccata attcctaatt gtgaataaaa 540
tcaggaccaa taaagaaaaa ctaatttgat ttttattgtc aatgaaattt cataatcgtc 600
atgaatgcat aaacagacac acctagcaac tgtataatct gcgcctaaaa agggcgata 660
cacaaaacta aacgatgctc aataaaaagt cagcagtcag caatgaaacc gagatatgca 720
gcaacagagt atcatatgca tggaggatcc tttctgtttt tctgataata tgctctgaaa 780
aagctccaaa cagcacagta gcctatttgt gaagctcaaa aaaggcttct atttcctctg 840
ctatcttcag attgtgcagt gatattcttt gaggaaggaa acgtagaggg gataagttgg 900
ataactgtta tttcttttca atatgctaga ttttgcttac caccttactg attttttcta 960
ataataaact tttttactaa cattagtacg atgtctcatc tatttcttct atttagttaa 1020
cgttccaaag accagaaaaga cctactgtaa gggtaagacc tgtcgtaagc aactcaaca 1080
caagggtact caatacaaag ctggtaaggc ttccttgttt gcccaaggta agagacgtta 1140
tgaccgtaaa caatctggtt tccgtggtca aaccaagcct gttttccaca agaaagctaa 1200
gactaccaag aagggtgttt tgagattgga atgtgtcaaa tgtaagacca gagcccaatt 1260
gaccttgaag agatgcaagc acttcgaatt ggggtggtgaa aagaagcaaa aggggtcaagc 1320
tttgcaattc tga
1333

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<210> 236  
 <211> 116  
 <212> PRT  
 <213> *Candida albicans*

<400> 236  
 Met Val Arg Cys Leu Ile Tyr Phe Phe Tyr Leu Val Asn Val Pro Lys  
 1 5 10 15  
 Thr Arg Lys Thr Tyr Cys Lys Gly Lys Thr Cys Arg Lys His Thr Gln  
 20 25 30  
 His Lys Val Thr Gln Tyr Lys Ala Gly Lys Ala Ser Leu Phe Ala Gln  
 35 40 45  
 Gly Lys Arg Arg Tyr Asp Arg Lys Gln Ser Gly Phe Gly Gly Gln Thr  
 50 55 60  
 Lys Pro Val Phe His Lys Lys Ala Lys Thr Thr Lys Lys Val Val Leu  
 65 70 75 80  
 Arg Leu Glu Cys Val Lys Cys Lys Thr Arg Ala Gln Leu Thr Leu Lys  
 85 90 95  
 Arg Cys Lys His Phe Glu Leu Gly Gly Glu Lys Lys Gln Lys Gly Gln  
 100 105 110  
 Ala Leu Gln Phe  
 115

<210> 237  
 <211> 1223  
 <212> DNA  
 <213> *Candida albicans*

<400> 237  
 ggtccacgtc agttccacac aataacattt acgtagtgtt cagcgaagc agttacatct 60

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caactaacat aattgctggt gagcctacaa cactgcatgc gtaaacgtca acgggattac 120
gtagtagtatt ttggccgcgc gtaaatctct ttgttttttt ttcttgattt cacttctttt 180
catgttcctt tgggaataatc taattcctca tgattaaatg agactgtttt ttgtttccgt 240
aacatccata ccttttcctgt ataataattct tgctgtaaag tttgtttttt ttatgaaaaa 300
aacatttttct tttcttgaga tgaggcgccg cgagcctttc tcccatgggc agtggtaaat 360
tttccaaatc aatgcagctc tttgaaatac aacagcattt ttcatacatt ttaagcaatt 420
tctagtttgt agatattggt agattagttt ttgaacattg ttttgataac tgaaaataaa 480
acagcaaaca aactacaaaa atggtcgctt taatctctaa gaaaagaaag ctagtcgctg 540
acggtgtctt ctacgctgaa ttgaacgaat tcttcaccag agaattagct gaagaagggt 600
actccggtgt tgaagtcctg gtcactccaa ccaagaccga agttatcatc agagctacca 660
gaactcaaga tgttttgggt gaaaacggta gaagaatcaa cgaattaact ttgttggttc 720
aaaagagatt caagtacgct ccagggtacta ttgtcttata tgctgaaaga gttcaagacc 780
gtggtttgtc cgctgtcgct caagctgaat ctatgaaatt caaattgttg aacgggttgg 840
ctatcagaag agctgcttac ggtgtcgctc gatacgttat ggaatctggt gctaagggtt 900
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agagcagaac tgggtccaaag gctttgccag atgctgtcac catcattgaa ccaaaagaag 1140
aagaaccaat tcttgctcca tctgtcaagg actacagacc agctgaagaa actgaagctc 1200
aagctgaacc agttgaagct tag                                     1223

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&lt;210&gt; 238

&lt;211&gt; 240

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 238

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Met Val Ala Leu Ile Ser Lys Lys Arg Lys Leu Val Ala Asp Gly Val
  1              5              10              15

Phe Tyr Ala Glu Leu Asn Glu Phe Phe Thr Arg Glu Leu Ala Glu Glu
      20              25              30

Gly Tyr Ser Gly Val Glu Val Arg Val Thr Pro Thr Lys Thr Glu Val
      35              40              45

Ile Ile Arg Ala Thr Arg Thr Gln Asp Val Leu Gly Glu Asn Gly Arg
      50              55              60

Arg Ile Asn Glu Leu Thr Leu Leu Val Gln Lys Arg Phe Lys Tyr Ala
      65              70              75              80

Pro Gly Thr Ile Val Leu Tyr Ala Glu Arg Val Gln Asp Arg Gly Leu
      85              90              95

Ser Ala Val Ala Gln Ala Glu Ser Met Lys Phe Lys Leu Leu Asn Gly
      100             105             110

Leu Ala Ile Arg Arg Ala Ala Tyr Gly Val Val Arg Tyr Val Met Glu
      115             120             125

Ser Gly Ala Lys Gly Cys Glu Val Val Val Ser Gly Lys Leu Arg Ala
      130             135             140

Ala Arg Ala Lys Ala Met Lys Phe Ala Asp Gly Phe Leu Ile His Ser
      145             150             155             160

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Gly Gln Pro Val Asn Asp Phe Ile Asp Thr Ala Thr Arg His Val Leu  
                             165                            170                            175  
 Met Arg Gln Gly Val Leu Gly Ile Lys Val Lys Ile Met Arg Asp Pro  
                             180                            185                            190  
 Ala Lys Ser Arg Thr Gly Pro Lys Ala Leu Pro Asp Ala Val Thr Ile  
                             195                            200                            205  
 Ile Glu Pro Lys Glu Glu Glu Pro Ile Leu Ala Pro Ser Val Lys Asp  
                             210                            215                            220  
 Tyr Arg Pro Ala Glu Glu Thr Glu Ala Gln Ala Glu Pro Val Glu Ala  
                             225                            230                            235                            240

<210> 239  
 <211> 2168  
 <212> DNA  
 <213> Candida albicans

<400> 239  
 ctttgataaa ttaatacggg aagataccgt gtgaactatt ataataactg ccacgcttat 60  
 agcatgtacg ctatacattt acgtgctgag ctccaggaa agctcatgag cagccactgt 120  
 atcgtggagc ataactacaa caaagaatac acagcgtcac atagagggtt ttgagagga 180  
 gaagttgaaa taggacttga tcttggggga gaggggattt gaaagcacc attcaggagt 240  
 atgtgtctgt aattgaagtg ttagcgcgcg attcacctgt aataagagtg atgatttgat 300  
 agcgccattc tacatcatat ggcaaagtgt gaaaaactgt acgcgcgaac taaaattttt 360  
 ttttaccatc cactaaatga aaatttttaa tcgatgccca ttccaaatat gcttattcga 420  
 aggacggctc tgacaagggc atatgcgtta agattgattg ttcaatatc ataaaacagg 480  
 atctttcaag ggacgataaa atggatgagc aagttatttt tacaacaaat acctcaggaa 540  
 caatagcttc tgtacactca tttgaacaga taaatttgag gcaatgctcc actcaatcaa 600  
 gaaatagctg tgttcaagta ggaaataaat acctttttat tgctcaagca caaaaagcat 660  
 taatcaatgt ctacaatctg tcagggttctt tcaaaagaga atctgttgaa cagcgcttac 720  
 cattacctga aatcctaaaa tgtctggaag tagttgaaaa tgatgggtgt cagtatgata 780  
 gaattcaagg tgtcaatcat aatttaccag acttcaatct tccgtacctt ttacttggct 840  
 ccaccgaatc gggtaaattg tacatatggg agttaaattc agggatttta ttgaacgtga 900  
 agcctatggc tcattaccaa agtatcacca agattaagtc cattttaaac ggcaagtata 960  
 ttattacttc tggtaacgat tcgagagtta ttatatggca aactgttgac ttggtatcag 1020  
 cgtccaatga tgatcctaag cttttatgta tccttcacga tcataactta cccgtgacag 1080  
 atttccaagt ttcttctagt caaggaaaat ttttatcatg tactgatagc aaactcttca 1140  
 cagtatctca agatgctacc attagatgct atgatttgag tttaataggc agcaaaaaga 1200  
 agcagaaggc aaacgaaaat gacgttagta ttggtaagac ccagatttg cttgcgacat 1260  
 ttacaactcc ttattctatc aaatccattg tactggatcc tgctgacaga gcatgctata 1320  
 ttggtactgc ggaagggtgt ttttcattga atttatttta taaactaaag ggtaatgcta 1380  
 tcgttaatct gctacagtcc gccggagtaa acacagttca aaaaggtagg gttttttccc 1440  
 tagtgcaacg taactcacta actggcggcg aaaatgaaga tttggatgca ctatatgcaa 1500  
 tgggccaaact tgtctgtgag aatgtcctaa attcaaagt gtcatgccta gaaatatcaa 1560  
 tggatggtac attattattg atcggtgata cggaggggaa agtttctatt gcggaaattt 1620  
 actcaaaaca aatcattaga actatccaaa cttaaactac atcacaggat tcagttggag 1680  
 aagtgaccaa tctcttaacc aacccttaca gactcgaacg tggaatttta ctttttgaag 1740  
 gagaatccaa aggcaaacaa cctagtaata ataattggtca caattttatg aagataccaa 1800

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acttacaaag agttatcttt gatggtaaaa acaaaggcca tttacacgat atttggtatc 1860
agataggaga accagaagca gagacagatc ctaacctcgc attaccactt aacgacttta 1920
atgcctatctt ggagcaggtc aaaacgcaag aatcgatatt ttcacatata ggtaagggtgt 1980
caagcaatgt aaaagtgatt gacaataaaa tcgacgccac ttcattcttta gacagcaatg 2040
ccgctaaaga tgaggaaatt acagaactta agaccaacat agaagcatta actcatgcct 2100
acaaggagtt acgtgacatg cacgaaaagc tgtacgagga acaccaacag atgcttgaca 2160
agcaataa                                     2168

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<210> 240  
 <211> 555  
 <212> PRT  
 <213> *Candida albicans*

<400> 240  
 Met Asp Glu Gln Val Ile Phe Thr Thr Asn Thr Ser Gly Thr Ile Ala  
   1                  5                  10                  15  
 Ser Val His Ser Phe Glu Gln Ile Asn Leu Arg Gln Cys Ser Thr Gln  
                   20                  25                  30  
 Ser Arg Asn Ser Cys Val Gln Val Gly Asn Lys Tyr Leu Phe Ile Ala  
                   35                  40                  45  
 Gln Ala Gln Lys Ala Leu Ile Asn Val Tyr Asn Leu Ser Gly Ser Phe  
                   50                  55                  60  
 Lys Arg Glu Ser Val Glu Gln Arg Leu Pro Leu Pro Glu Ile Leu Lys  
                   65                  70                  75                  80  
 Cys Leu Glu Val Val Glu Asn Asp Gly Val Gln Tyr Asp Arg Ile Gln  
                   85                  90                  95  
 Gly Val Asn His Asn Leu Pro Asp Phe Asn Leu Pro Tyr Leu Leu Leu  
                   100                  105                  110  
 Gly Ser Thr Glu Ser Gly Lys Leu Tyr Ile Trp Glu Leu Asn Ser Gly  
                   115                  120                  125  
 Ile Leu Leu Asn Val Lys Pro Met Ala His Tyr Gln Ser Ile Thr Lys  
                   130                  135                  140  
 Ile Lys Ser Ile Leu Asn Gly Lys Tyr Ile Ile Thr Ser Gly Asn Asp  
                   145                  150                  155                  160  
 Ser Arg Val Ile Ile Trp Gln Thr Val Asp Leu Val Ser Ala Ser Asn  
                   165                  170                  175  
 Asp Asp Pro Lys Pro Leu Cys Ile Leu His Asp His Thr Leu Pro Val  
                   180                  185                  190  
 Thr Asp Phe Gln Val Ser Ser Ser Gln Gly Lys Phe Leu Ser Cys Thr  
                   195                  200                  205  
 Asp Thr Lys Leu Phe Thr Val Ser Gln Asp Ala Thr Ile Arg Cys Tyr  
                   210                  215                  220



245

Asp Leu Ser Leu Ile Gly Ser Lys Lys Lys Gln Lys Ala Asn Glu Asn  
 225 230 235 240  
 Asp Val Ser Ile Gly Lys Thr Pro Val Leu Leu Ala Thr Phe Thr Thr  
 245 250 255  
 Pro Tyr Ser Ile Lys Ser Ile Val Leu Asp Pro Ala Asp Arg Ala Cys  
 260 265 270  
 Tyr Ile Gly Thr Ala Glu Gly Cys Phe Ser Leu Asn Leu Phe Tyr Lys  
 275 280 285  
 Leu Lys Gly Asn Ala Ile Val Asn Leu Leu Gln Ser Ala Gly Val Asn  
 290 295 300  
 Thr Val Gln Lys Gly Arg Val Phe Ser Leu Val Gln Arg Asn Ser Leu  
 305 310 315 320  
 Thr Gly Gly Glu Asn Glu Asp Leu Asp Ala Leu Tyr Ala Met Gly Gln  
 325 330 335  
 Leu Val Cys Glu Asn Val Leu Asn Ser Asn Val Ser Cys Leu Glu Ile  
 340 345 350  
 Ser Met Asp Gly Thr Leu Leu Leu Ile Gly Asp Thr Glu Gly Lys Val  
 355 360 365  
 Ser Ile Ala Glu Ile Tyr Ser Lys Gln Ile Ile Arg Thr Ile Gln Thr  
 370 375 380  
 Leu Thr Thr Ser Gln Asp Ser Val Gly Glu Val Thr Asn Leu Leu Thr  
 385 390 395 400  
 Asn Pro Tyr Arg Leu Glu Arg Gly Asn Leu Leu Phe Glu Gly Glu Ser  
 405 410 415  
 Lys Gly Lys Gln Pro Ser Asn Asn Asn Gly His Asn Phe Met Lys Ile  
 420 425 430  
 Pro Asn Leu Gln Arg Val Ile Phe Asp Gly Lys Asn Lys Gly His Leu  
 435 440 445  
 His Asp Ile Trp Tyr Gln Ile Gly Glu Pro Glu Ala Glu Thr Asp Pro  
 450 455 460  
 Asn Leu Ala Leu Pro Leu Asn Asp Phe Asn Ala Tyr Leu Glu Gln Val  
 465 470 475 480  
 Lys Thr Gln Glu Ser Ile Phe Ser His Ile Gly Lys Val Ser Ser Asn  
 485 490 495  
 Val Lys Val Ile Asp Asn Lys Ile Asp Ala Thr Ser Ser Leu Asp Ser  
 500 505 510  
 Asn Ala Ala Lys Asp Glu Glu Ile Thr Glu Leu Lys Thr Asn Ile Glu  
 515 520 525

246

Ala Leu Thr His Ala Tyr Lys Glu Leu Arg Asp Met His Glu Lys Leu  
 530 535 540

Tyr Glu Glu His Gln Gln Met Leu Asp Lys Gln  
 545 550 555

<210> 241  
 <211> 1115  
 <212> DNA  
 <213> Candida albicans

<400> 241  
 aatgcgctcc cgtacgtcag tggctgttgc tgaaacgaga caatttctca attcgtttgt 60  
 ttgtgtactg tatttggtat ctttactata tatatgttgt taagtttctt ttaccaatta 120  
 gtgctcactt ctctcgtctt ttattaggtg tgtgtgttgt gcgtaatttt cgtttcgctg 180  
 attactttat atagtgtagt ttgttcttga atgtaataaa gacttctgtt ttattttgtt 240  
 ttgttattta gaaacagtct atctgggtta acttaaacga gtgagcttaa gataatctga 300  
 ctacaagaaa accaagcttc tattactttg ttcttttctc ttttttcttt tttgaataaa 360  
 gaatttttctt ttaaggagta acttaagcat ttagctgcac attaaacact ttttttttta 420  
 cttctaactc acacactttt ggaagaacat ttattttttc gaccttcttt cccaaataacc 480  
 cagcgcttta taattgaaat atgaagttct cttctgttac tgctattact ctagccaccg 540  
 ttgccaccgt tgccactgct aagaaggggtg aacatgattt cactaccact ttaactttgt 600  
 catcggacgg tagtttaact actaccacct ctactcatac cactcacaag tatggtaagt 660  
 tcaacaagac ttccaagtcc aagaccccaa accacactgg tactcacaag tacggtaagt 720  
 tcaacaagac ctccaagtcc aagactccaa accataccgg tactcacaag tatggtaagt 780  
 tcaacaagac ttccaagtcc aagactccaa accataccgg tactcacaag tacggtaagt 840  
 tcaacaagac ctccaaatcc aagactccaa accacactgg tactcacaag tacggtaagt 900  
 tcaacaagac ctccaagtct aagaccccaa accataccgg tactcacaag tatggtaagt 960  
 tcaacaaaac caaacatgac actaccactt atggctctgg tgaaaaggcc cgtaagaaca 1020  
 atgccgcccc tgggtccatct aatttcaact ccataaaatt gtttggtgtt accgctggta 1080  
 gtgctgcccgt agccggtgcc ttattactat tataa 1115

<210> 242  
 <211> 204  
 <212> PRT  
 <213> Candida albicans

<400> 242  
 Met Lys Phe Ser Ser Val Thr Ala Ile Thr Leu Ala Thr Val Ala Thr  
 1 5 10 15  
 Val Ala Thr Ala Lys Lys Gly Glu His Asp Phe Thr Thr Thr Leu Thr  
 20 25 30  
 Leu Ser Ser Asp Gly Ser Leu Thr Thr Thr Thr Ser Thr His Thr Thr  
 35 40 45  
 His Lys Tyr Gly Lys Phe Asn Lys Thr Ser Lys Ser Lys Thr Pro Asn  
 50 55 60  
 His Thr Gly Thr His Lys Tyr Gly Lys Phe Asn Lys Thr Ser Lys Ser  
 65 70 75 80  
 Lys Thr Pro Asn His Thr Gly Thr His Lys Tyr Gly Lys Phe Asn Lys

247

85	90	95
Thr Ser Lys Ser Lys Thr Pro Asn His Thr Gly Thr His Lys Tyr Gly		
100	105	110
Lys Phe Asn Lys Thr Ser Lys Ser Lys Thr Pro Asn His Thr Gly Thr		
115	120	125
His Lys Tyr Gly Lys Phe Asn Lys Thr Ser Lys Ser Lys Thr Pro Asn		
130	135	140
His Thr Gly Thr His Lys Tyr Gly Lys Phe Asn Lys Thr Lys His Asp		
145	150	155
Thr Thr Thr Tyr Gly Pro Gly Glu Lys Ala Arg Lys Asn Asn Ala Ala		
165	170	175
Pro Gly Pro Ser Asn Phe Asn Ser Ile Lys Leu Phe Gly Val Thr Ala		
180	185	190
Gly Ser Ala Ala Val Ala Gly Ala Leu Leu Leu Leu		
195	200	

<210> 243  
 <211> 1115  
 <212> DNA  
 <213> Candida albicans

<400> 243

ggttatacac	atatatatat	ttttcatttt	taatgtctta	gcttttgtat	cttagatgaa	60
gtttttagttc	tgtatatcac	gatcaagata	tcataacaatc	ataaattcaa	ttattcttct	120
gtttcccctc	ttgaggcatc	aaacgagtg	ttgactgata	cacaccaaca	tactaaggca	180
acttttctgg	ctgcccacaa	ctgtggcacg	tatgaaactg	cttttcggct	gcataaaaca	240
accatgtgga	gtttttactg	tattcgcatt	tcgccccgct	agcattcttc	gttcattgta	300
aaaatgaggc	gtgggcta	attcagttat	aataattccg	gcaccgcac	agcccatacc	360
ggaaaagggg	ctggctgttg	ggcttggcaa	aaaactcaat	ctgagcagtc	atttataaag	420
aaagacttta	atttgtcttg	ctaaacactt	gtaagccttc	caaatataga	tcacttaaga	480
caatctaaca	agtgtccaaa	atgtctgcaa	acgaattcta	ctcaagtggc	caacaaggtc	540
aatataacca	gcaaaacaac	caagaaagaa	ctggtgctcc	aaacaacggt	caatatggtg	600
ccgacaatgg	taaccccaac	ggtgaacgtg	gtttattttc	cactattgta	ggtggcagtg	660
ccggtgcgta	cgctggatct	aaggtgtcga	acaaccattc	taagttgagt	ggtgtgctgg	720
gcgccatagg	tggtgcattc	cttgccaaca	agatatctga	tgagcgtaaa	gagcataagc	780
aacaagagca	atacggcaac	tcaaacttcg	gaggtgctcc	tcaaggtgga	cacaacaacc	840
atcaccggtca	gacaataaca	acaataacgg	tggatttggc	ggtccaggcg	gccctggcgg	900
tcaagggttc	ggaagacaag	gccacaagg	atttggaggt	cctggtccac	aagagtttgg	960
tggtccaggt	ggccaaggat	tcggtggtcc	aaatcctcaa	gaattcggcg	gccaggtggc	1020
caaggattcg	gtggtccaaa	ccctcaggaa	ttcggggggc	aaggtcgtca	aggattcaat	1080
ggcggttcac	gttgggtgaat	ggctcaacag	agtga			1115

<210> 244  
 <211> 204  
 <212> PRT  
 <213> Candida albicans

248

&lt;400&gt; 244

Met Ser Ala Asn Glu Phe Tyr Ser Ser Gly Gln Gln Gly Gln Tyr Asn  
 1 5 10 15

Gln Gln Asn Asn Gln Glu Arg Thr Gly Ala Pro Asn Asn Gly Gln Tyr  
 20 25 30

Gly Ala Asp Asn Gly Asn Pro Asn Gly Glu Arg Gly Leu Phe Ser Thr  
 35 40 45

Ile Val Gly Gly Ser Ala Gly Ala Tyr Ala Gly Ser Lys Val Ser Asn  
 50 55 60

Asn His Ser Lys Leu Ser Gly Val Leu Gly Ala Ile Gly Gly Ala Phe  
 65 70 75 80

Leu Ala Asn Lys Ile Ser Asp Glu Arg Lys Glu His Lys Gln Gln Glu  
 85 90 95

Gln Tyr Gly Asn Ser Asn Phe Gly Gly Ala Pro Gln Gly Gly His Asn  
 100 105 110

Asn His His Arg Gln Thr Ile Thr Thr Ile Thr Val Asp Leu Ala Val  
 115 120 125

Gln Ala Ala Leu Ala Val Lys Val Ser Glu Asp Lys Ala His Lys Asp  
 130 135 140

Leu Glu Val Leu Val His Lys Ser Leu Val Val Gln Val Ala Lys Asp  
 145 150 155 160

Ser Val Val Gln Ile Leu Lys Asn Ser Ala Ala Arg Trp Pro Arg Ile  
 165 170 175

Arg Trp Ser Lys Pro Ser Gly Ile Arg Gly Pro Arg Ser Ser Arg Ile  
 180 185 190

Gln Trp Arg Phe Thr Leu Val Asn Gly Ser Thr Glu  
 195 200

&lt;210&gt; 245

&lt;211&gt; 1313

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 245

tcataacggg ttcttttcaa aaaaccgtaa aaatttgagg tcacaccaac taaatacaaa 60  
 ttgtttcatc acggtgacta tatcaagaac ttcgtaagga aacatttaga aaactcaata 120  
 tagtaaagtt tcatcagcaa tcttatctga gtaatattat ctacgatcta aatataggat 180  
 gatctgccga ttttaggaatc gtactgtaga ttgctcttgg cgacagatat agtgaaatac 240  
 cttttacaaa gtggatacag gttgcctatc actaccgcca tttcactagc aagtagagta 300  
 ttgagaaaaac ggtaaaacttt gaaagttgca gatgcagaat atatatctgg ttttgtagtt 360  
 ctatccgcta aacgggacga tcgcatttta gccgccgaca gtgttaatat aagtaatgaa 420  
 cttgggttaa tttgattacg cgtcacagct actaataaaa taagaccgag agttttaatc 480  
 agctagtgc taccaaaaca atgagtaacc aacacagccc tcagccattt tgtttggaca 540

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ccaaattggt gaaactatta gaagagctcc aggagggaaa gcaattcaac aataaaaaaca 600
tattcccgga aaaagcatta tatttgaagc tcgctcttga ttattctttc ttcagaaaga 660
atttactaga gttttgcgtc caccttgaca agataaaaagg agtcattaga ccaaactatg 720
acactatata tattttgtgc ctgttgaggg tggatctcct caatctggta tttaccgaca 780
atatattgga aatatgtttg cccaggtttg tttcaaggga ggacttgagg gtttttaata 840
atacttttta cacatatcac gataaccgcc tacgtattct ccaagaagac ttttctcaat 900
tgttcaaaaa aatcaaaaact aaggcttctg tactatgttt tacagttgag gaaatttttc 960
tgacaaacca agaaatttta cctcaaaaact caacagtggc agaactgcaa aagagcacta 1020
ataaagtaca gacaaatggg ccgcaacggc acgatttcat agtcactcta gaaataaaac 1080
tgaacaaaac acaaactcact ttcctcattg gagctaaagg aacgagaatt gaaagcttga 1140
gggaaaaaatc aggcgccagc ataaaaataa tacctattag tgataaaatg actgcacatg 1200
aaaggaacca ccctgaatct gttcaacaaa caataactat ttcgggtgac ttatactcaa 1260
ttgcattagc cgtcaccagt atagagtctg cattaattac tttggattta tag 1313

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&lt;210&gt; 246

&lt;211&gt; 270

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 246

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Met Ser Asn Gln His Ser Pro Gln Pro Phe Cys Leu Asp Thr Lys Leu
  1                      5                      10                      15

Val Lys Leu Leu Glu Glu Leu Gln Glu Gly Lys Gln Phe Asn Asn Lys
                20                      25                      30

Asn Ile Phe Pro Glu Lys Ala Leu Tyr Leu Lys Leu Ala Leu Asp Tyr
    35                      40                      45

Ser Phe Phe Arg Lys Asn Leu Leu Glu Phe Cys Val His Leu Asp Lys
  50                      55                      60

Ile Lys Gly Val Ile Arg Pro Asn Tyr Asp Thr Ile Tyr Ile Leu Cys
  65                      70                      75                      80

Leu Leu Glu Val Asp Leu Leu Asn Leu Val Phe Thr Asp Asn Ile Leu
                85                      90                      95

Glu Ile Cys Leu Pro Arg Phe Val Ser Arg Glu Asp Leu Arg Val Phe
    100                      105                      110

Asn Asn Thr Phe Tyr Thr Tyr His Asp Asn Arg Leu Arg Ile Leu Gln
    115                      120                      125

Glu Asp Phe Ser Gln Leu Phe Lys Lys Ile Lys Thr Lys Ala Ser Val
    130                      135                      140

Leu Cys Phe Thr Val Glu Glu Ile Phe Leu Thr Asn Gln Glu Ile Leu
    145                      150                      155                      160

Pro Gln Asn Ser Thr Val Ala Glu Leu Gln Lys Ser Thr Asn Lys Val
                165                      170                      175

Gln Thr Asn Gly Pro Gln Arg His Asp Phe Ile Val Thr Leu Glu Ile
    180                      185                      190

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250

Lys Leu Asn Lys Thr Gln Ile Thr Phe Leu Ile Gly Ala Lys Gly Thr  
 195 200 205  
 Arg Ile Glu Ser Leu Arg Glu Lys Ser Gly Ala Ser Ile Lys Ile Ile  
 210 215 220  
 Pro Ile Ser Asp Lys Met Thr Ala His Glu Arg Asn His Pro Glu Ser  
 225 230 235 240  
 Val Gln Gln Thr Ile Leu Ile Ser Gly Asp Leu Tyr Ser Ile Ala Leu  
 245 250 255  
 Ala Val Thr Ser Ile Glu Ser Ala Leu Ile Thr Leu Asp Leu  
 260 265 270

<210> 247  
 <211> 1766  
 <212> DNA  
 <213> Candida albicans

<400> 247  
 agtttttttt ctcgagaaat tgtgaacaaa agaaagcaaa gacacagaag atgataagag 60  
 agagaaacaa cgaagaaaga acaacaatgt tgggggttcac ccgagagata ttgacatact 120  
 gaccttagaa aaggcattac tgaggctact gactaaagcg cgttacataa atgcatagta 180  
 tatttcttgt tgtatacgca gcggccaact agtggcagca agaattgtaat gaacgattca 240  
 tctgcagggt tggaggccgc aactagatca aaacgtaaat agcgggtgaa gtgttctgga 300  
 cgtagaagt aacgtccgca gatcgaagct aaacacgaga ttagatttcg ggtaacggaa 360  
 ttgtgataat taagaaagac cagactatgt gaaaaggcca cgtaaattgat agagcacaca 420  
 ttagcaacta taatagacta gttttcgcac cgctggaagt tctcgatatt gaatatcact 480  
 tccaagaacg caaacttaga atgggtccgga ttcttcccat aattttgagc gccctatctt 540  
 cgaaattagt ggcgagtaca atattgcatt catccataca ctcaagtcca tctggaggcg 600  
 aaatcatatc tgcagaagat cttaaagaac ttgaaatttc aggggaattcg atctgcgttg 660  
 ataatcgttg ctatcctaag atatttgaac caagacacga ttggcagccc atactgccag 720  
 gtcaagaact ccccggtggt ttggacatta gaataaacat ggacacaggt ttaaaagagg 780  
 caaaactaaa tgatgagaag aatgtcgggtg ataattggtag ccatgagtta attgtatctt 840  
 cagaagacat gaaagcatcg cctggtgact atgaattttc cagtgatttc aaagaaatga 900  
 gaaacatcat agattctaac ccgactttat cttcacagga cattgccaga ttggaggata 960  
 gttttgatag aataatggaa tttgcgcatg attacaagca cggctacaaa attattaccc 1020  
 atgaattcgc cctcttggtc aaccttagtc tcaatgaaaa tttgccgtta acattgagag 1080  
 agctcagtag tagagtcatt accagctgct tgagaaacaa tctcctgtga gtcgagttca 1140  
 ttaatgaaag ttttccaaat tttaaaagca aaatcatggc cgctctgtca aatttgaatg 1200  
 attctaacca cagatcctct aatatcctaa taaaaagata cttgtccatt ttaaacgaat 1260  
 tacctgtcac atccgaagat cttcctatat actctacggt tgttttacaa aatgtatatg 1320  
 aaagaaacaa caaggacaaa cagttacaaa taaaagtcct ggagttgatc agcaaaatgt 1380  
 tgaaggccga catgtacgaa aatgacgata caaatctaatt tttgttcaaa agaaatgctg 1440  
 agaattggtc gtcaaatctg caagagtggg caaacgagtt ccaagagatg gtccagaaca 1500  
 aaagtataga tgaactacat acaagaacgt tttttgacac cttttacaac ttgaagaaaa 1560  
 ttttcaaaaag tgacatcacg atcaacaaag ggtttttgaa ttggttagcg caacaatgta 1620  
 aagccaggga atctaacttg gacaatgggc tccaagagag agatactgaa caagactcat 1680  
 ttgataagaa acttatcgac agcagacact tgatctttgg caaccccatg gctcatagaa 1740  
 taaaaaatgt cagagatgaa ctctga 1766

<210> 248  
 <211> 421

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 248

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Met Val Arg Ile Leu Pro Ile Ile Leu Ser Ala Leu Ser Ser Lys Leu
  1             5             10             15

Val Ala Ser Thr Ile Leu His Ser Ser Ile His Ser Val Pro Ser Gly
          20             25             30

Gly Glu Ile Ile Ser Ala Glu Asp Leu Lys Glu Leu Glu Ile Ser Gly
      35             40             45

Asn Ser Ile Cys Val Asp Asn Arg Cys Tyr Pro Lys Ile Phe Glu Pro
      50             55             60

Arg His Asp Trp Gln Pro Ile Leu Pro Gly Gln Glu Leu Pro Gly Gly
      65             70             75             80

Leu Asp Ile Arg Ile Asn Met Asp Thr Gly Leu Lys Glu Ala Lys Leu
          85             90             95

Asn Asp Glu Lys Asn Val Gly Asp Asn Gly Ser His Glu Leu Ile Val
      100             105             110

Ser Ser Glu Asp Met Lys Ala Ser Pro Gly Asp Tyr Glu Phe Ser Ser
      115             120             125

Asp Phe Lys Glu Met Arg Asn Ile Ile Asp Ser Asn Pro Thr Leu Ser
      130             135             140

Ser Gln Asp Ile Ala Arg Leu Glu Asp Ser Phe Asp Arg Ile Met Glu
      145             150             155             160

Phe Ala His Asp Tyr Lys His Gly Tyr Lys Ile Ile Thr His Glu Phe
          165             170             175

Ala Leu Leu Ala Asn Leu Ser Leu Asn Glu Asn Leu Pro Leu Thr Leu
          180             185             190

Arg Glu Leu Ser Thr Arg Val Ile Thr Ser Cys Leu Arg Asn Asn Pro
      195             200             205

Pro Val Val Glu Phe Ile Asn Glu Ser Phe Pro Asn Phe Lys Ser Lys
      210             215             220

Ile Met Ala Ala Leu Ser Asn Leu Asn Asp Ser Asn His Arg Ser Ser
      225             230             235             240

Asn Ile Leu Ile Lys Arg Tyr Leu Ser Ile Leu Asn Glu Leu Pro Val
          245             250             255

Thr Ser Glu Asp Leu Pro Ile Tyr Ser Thr Val Val Leu Gln Asn Val
          260             265             270

Tyr Glu Arg Asn Asn Lys Asp Lys Gln Leu Gln Ile Lys Val Leu Glu
      275             280             285

```

252

Leu Ile Ser Lys Ile Leu Lys Ala Asp Met Tyr Glu Asn Asp Asp Thr  
 290 295 300

Asn Leu Ile Leu Phe Lys Arg Asn Ala Glu Asn Trp Ser Ser Asn Leu  
 305 310 315 320

Gln Glu Trp Ala Asn Glu Phe Gln Glu Met Val Gln Asn Lys Ser Ile  
 325 330 335

Asp Glu Leu His Thr Arg Thr Phe Phe Asp Thr Leu Tyr Asn Leu Lys  
 340 345 350

Lys Ile Phe Lys Ser Asp Ile Thr Ile Asn Lys Gly Phe Leu Asn Trp  
 355 360 365

Leu Ala Gln Gln Cys Lys Ala Arg Gln Ser Asn Leu Asp Asn Gly Leu  
 370 375 380

Gln Glu Arg Asp Thr Glu Gln Asp Ser Phe Asp Lys Lys Leu Ile Asp  
 385 390 395 400

Ser Arg His Leu Ile Phe Gly Asn Pro Met Ala His Arg Ile Lys Asn  
 405 410 415

Phe Arg Asp Glu Leu  
 420

&lt;210&gt; 249

&lt;211&gt; 821

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 249

```

taagtacatg atttttgttt gcattgatat gacttgtttt atgactaaca tattttaattt 60
ttatttggtt accgtagggg ttttatgaag tgctgacgaa tcctgtttat tggaagcata 120
ttttactggt tgcggtttgc tatgccctga tttttgtcac tattgctggt ctcttttatg 180
tcacacttgt accgctttta gtgacatggg ccatactggt attagggcct cttggtgtga 240
tactggttca tattcaatgg attttacaaa cgaatgtctt gactgccttt gtttgtagaa 300
cactggtcct gacccatatt acgaatcaga tatttgatat atctttgggtg ttgcaagacc 360
aagatgaatt tctaaacgag gtgaaggtat tgcctaaacc acaaaagcca catagaaaaa 420
tcgatgaacc tgatgcggtg agaaatttca acacaataaa gggaagtcgg atttttaaga 480
ttcccagatt actattcaga atgtttttta aagtctccaa ttttacttca ctaacattac 540
tgctgctaatt tcctattgta ggaccaatct tggcaaatac actaatggcc ccaaaaagaa 600
cctttaccta tttgcagagg tactttttac taaagggatt cagtaagaaa caggccaaag 660
attttcagta cgagcattac gcaagtttca tatgtttcgg tatgtctgcc ggtctactag 720
agttaatacc cttcttcaca atagtcacca tatctagcaa cactgttggt gcagctaaat 780
ggtgtacttc gctactaaag ggtgaaagaa agaaggaatg a 821

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&lt;210&gt; 250

&lt;211&gt; 106

&lt;212&gt; PRT

&lt;213&gt; Candida albicans



253

&lt;400&gt; 250

```

Met Phe Phe Lys Val Ser Asn Phe Thr Ser Leu Thr Leu Leu Ser Leu
 1           5           10           15

Ile Pro Ile Val Gly Pro Ile Leu Ala Asn Gln Leu Met Ala Pro Lys
      20           25           30

Arg Thr Phe Thr Tyr Leu Gln Arg Tyr Phe Leu Leu Lys Gly Phe Ser
      35           40           45

Lys Lys Gln Ala Lys Asp Phe Gln Tyr Glu His Tyr Ala Ser Phe Ile
      50           55           60

Cys Phe Gly Met Ser Ala Gly Leu Leu Glu Leu Ile Pro Phe Phe Thr
      65           70           75           80

Ile Val Thr Ile Ser Ser Asn Thr Val Gly Ala Ala Lys Trp Cys Thr
      85           90           95

Ser Leu Leu Lys Gly Glu Arg Lys Lys Glu
      100           105

```

&lt;210&gt; 251

&lt;211&gt; 1256

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 251

```

acatttccca aaaaagacat ttctgtccaa aagtagaagg caagaaaacc ctggaggaat 60
cataggcaaa gaaagaaaag aagaagttca tctttaaaac tacctttcaa gcctttattc 120
gttcctcgta aaggacacac gaaaaaaata aacagtacct tgcagaagga gtgcagagtt 180
aggtcgcagg gaatccttga aagccaagag ttttttttcc gtaatgatct cccaaagcaa 240
ccatcaacat tgtggtgcaa agtttagtgt aagatgttct actgaactat cttaatagct 300
gagcatcatg tgagtaaacg agtaagcaag aaaacaacaa agtaatgttc aactttcgta 360
actacggaaa ataatatata agtagttaac gaaattcgaa caatgagagc tctcacatat 420
catcttcttt tccagtttag ccattatcag cacaataata caaaacacac tcgtacactc 480
gcttcaacta taacaaaaaa atggcttaca tcaagatcgc tttattagct gctatcgctg 540
ctttggcttc tgccaaact caggaagaaa ttgacgaatt gaacgttatt ttgaatgacg 600
ttaagtccaa cttgcaagaa tatattagtt tggtgaaga ttcttcatct ggattttcct 660
taagcagtct gccatctggt gttttagaca tcggttttagc tttggcttcc gccactgatg 720
actcctacac tactttgtac tctgaggttg actttgctgc tgttagcaag atgttgacca 780
tggttccatg gtattcttcc aggcttctac cagaattgga atccttgta ggaacttcta 840
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ccagtgaaac tacttcttct gccgtcgctt cctccagtga agctacttct tctgccgctg 960
cttcttccag tgaagcttct tcttctgctg ctacttcttc tgctgtcgct tcttccagtg 1020
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cctctgctgt ttcttcagct gttgcttctt ccaccaaagc ctccgccatt tctcaaatca 1140
gtgatggcca agttcaagcc actagcactg tttccgaaca aactgaaaac ggtgctgcc 1200
aggctgtcat cggtatgggt gctggtgtca tggccgctgc cgccatgtta ttataa 1256

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&lt;210&gt; 252

&lt;211&gt; 251

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

254

&lt;400&gt; 252

Met Ala Tyr Ile Lys Ile Ala Leu Leu Ala Ala Ile Ala Ala Leu Ala  
 1 5 10 15  
 Ser Ala Gln Thr Gln Glu Glu Ile Asp Glu Leu Asn Val Ile Leu Asn  
 20 25 30  
 Asp Val Lys Ser Asn Leu Gln Glu Tyr Ile Ser Leu Ala Glu Asp Ser  
 35 40 45  
 Ser Ser Gly Phe Ser Leu Ser Ser Leu Pro Ser Gly Val Leu Asp Ile  
 50 55 60  
 Gly Leu Ala Leu Ala Ser Ala Thr Asp Asp Ser Tyr Thr Thr Leu Tyr  
 65 70 75 80  
 Ser Glu Val Asp Phe Ala Ala Val Ser Lys Met Leu Thr Met Val Pro  
 85 90 95  
 Trp Tyr Ser Ser Arg Leu Leu Pro Glu Leu Glu Ser Leu Leu Gly Thr  
 100 105 110  
 Ser Thr Thr Ala Ala Ser Ser Thr Glu Ala Ser Ser Ala Ala Thr Ser  
 115 120 125  
 Ser Ala Val Ala Ser Ser Ser Glu Thr Thr Ser Ser Ala Val Ala Ser  
 130 135 140  
 Ser Ser Glu Ala Thr Ser Ser Ala Val Ala Ser Ser Ser Glu Ala Ser  
 145 150 155 160  
 Ser Ser Ala Ala Thr Ser Ser Ala Val Ala Ser Ser Ser Glu Ala Thr  
 165 170 175  
 Ser Ser Thr Val Ala Ser Ser Thr Lys Ala Ala Ser Ser Thr Lys Ala  
 180 185 190  
 Ser Ser Ser Ala Val Ser Ser Ala Val Ala Ser Ser Thr Lys Ala Ser  
 195 200 205  
 Ala Ile Ser Gln Ile Ser Asp Gly Gln Val Gln Ala Thr Ser Thr Val  
 210 215 220  
 Ser Glu Gln Thr Glu Asn Gly Ala Ala Lys Ala Val Ile Gly Met Gly  
 225 230 235 240  
 Ala Gly Val Met Ala Ala Ala Ala Met Leu Leu  
 245 250

&lt;210&gt; 253

&lt;211&gt; 2693

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

```
<210> 254
<211> 730
<212> PRT
<213> Candida albicans
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Met Ile Ser Val Cys Pro Gln Asn Asp Leu Gln Lys Cys Tyr Arg Ser

Leu Thr Phe Asp Val Pro Gly Gln Gln Phe Glu Glu Arg Asn Glu Gln  
                   20                                  25                                  30  
 Asn Leu Lys Lys Arg Ala Lys Lys Lys Gly Ser Phe Gln Pro Ser Val  
                   35                                  40                                  45  
 Ala Phe Asp Thr Val Pro Ser Thr Ala Gly Tyr Ser Ser Ile Asp Asp  
                   50                                  55                                  60  
 Ser Arg Glu Gly Phe Lys Gly Val Pro Val Pro Asn Tyr Tyr Thr Met  
                   65                                  70                                  75                                  80  
 Glu Glu Cys Tyr Asp Asp Glu Thr Asp Ser Phe Ser Pro Asn Leu Gln  
                                   85                                  90                                  95  
 Tyr Tyr Leu Arg Asp Thr Phe Gln Ser Ser Pro Phe Leu Asn Thr Arg  
                   100                                  105                                  110  
 Lys Glu Asn Lys Ser Glu Ser Ser Ser Phe Pro Met Arg Ser Ser Lys  
                   115                                  120                                  125  
 Leu Leu Glu Lys Asn Ser Asp Ile Lys Lys Tyr Phe Leu Val Ser Lys  
                   130                                  135                                  140  
 Asn Gly Lys Ile Val Arg Arg Asp Tyr Pro Ser Thr Pro Val Ile Val  
                   145                                  150                                  155                                  160  
 Asn Glu Thr Leu Met Ile Asn Arg Phe Glu Lys Asn Trp Ile Lys Leu  
                                   165                                  170                                  175  
 Trp Arg Gln Arg Lys Leu Gln Ile Asn Glu Arg Leu Asn Asp Lys Lys  
                   180                                  185                                  190  
 Lys Trp Phe Thr Tyr Pro Glu Leu Ile Phe Ser Glu Glu Arg Ile Lys  
                   195                                  200                                  205  
 Pro Leu Tyr Arg Gly Asp Asp Ser Ala Pro Cys Thr Lys Glu Gln Lys  
                   210                                  215                                  220  
 Arg Lys His Lys Ile Leu Gln Gln Lys Val Gly Tyr Pro Asn Asn Pro  
                   225                                  230                                  235                                  240  
 Lys Thr Ile Val Cys His Ile Asn Gly Lys Lys His Thr Trp Val Ala  
                                   245                                  250                                  255  
 Leu Asp Trp Thr Val Tyr Lys Phe Ala Arg Asn Leu Asp His Ile Val  
                   260                                  265                                  270  
 Val Ile Thr Thr Leu Pro Lys Met Ile Ser Asn Arg Lys Lys Thr Ala  
                   275                                  280                                  285  
 Lys Asp Asp Thr Glu Trp Ala Pro Gly Tyr Gln Lys Glu Val Ile Asp  
                   290                                  295                                  300  
 Gln Lys Leu Asn Asp Ile Phe Asp Tyr Ile Leu Gln Leu Val Lys Val  
                   305                                  310                                  315                                  320

Val Lys Ile Ser Val Lys Ile Thr Leu Glu Ile Ile Val Gly Lys Ile  
 325 330 335  
 Lys Lys Ser Leu Val Asp Val Ile Asn Val His Thr Pro Asp Phe Leu  
 340 345 350  
 Val Leu Ala Thr Leu Lys His Glu Arg Asn Glu Asn Leu Ile Thr Tyr  
 355 360 365  
 Lys Ser Lys Lys Leu Thr Asp Val Phe Pro Val Ser Tyr Pro Ile Pro  
 370 375 380  
 Thr Phe Val Val Pro Ser Lys Arg Met Tyr Ser Phe Glu Leu Asn Leu  
 385 390 395 400  
 Gln Arg Glu Val Asn Glu His Tyr Val Ser Lys Asn His Met Lys His  
 405 410 415  
 Glu His Thr Asp Val Glu Ser Met Ser Ser Ser Met Phe Lys Lys Asn  
 420 425 430  
 Thr Ile Ser Asp Ile Ser Ser His Ile Ser Val Asp Ser Tyr Ala Glu  
 435 440 445  
 Asp Phe Lys Arg Gln Gly Tyr Ile Lys Lys Gln Phe Asn Thr Ser Asn  
 450 455 460  
 Asp Ser Ile Pro Arg Lys Leu Thr Gly Leu Ala Gln His Ser Arg Arg  
 465 470 475 480  
 Lys Ile Thr Gly Asp Ile Glu Lys Leu Gln Asp Asp Glu Lys Asp Arg  
 485 490 495  
 Glu Cys Thr Lys Glu Lys Leu Leu Leu Lys Lys Ile Asp Ile Ile Ile  
 500 505 510  
 Arg Glu Ser Leu Lys Ser Ser Leu Ala Ile Glu Thr Leu Pro Gly Lys  
 515 520 525  
 Asn Val Ser Gln Ser Ser His Gly Asp Gln Ile Ser Ser Phe Lys Asn  
 530 535 540  
 Ala Leu Ile Gly Asn Gly Ser Lys Asn Thr Lys Phe Arg Lys Ser Leu  
 545 550 555 560  
 Ile Pro Tyr Ser Ser Ser Glu Glu Gln Asn Thr Thr Thr Thr Ile Lys  
 565 570 575  
 Leu Ser Ser Ser Pro Thr Ser Gln Ile Lys Phe Ala Thr Ser Val Lys  
 580 585 590  
 His Lys Asp Gly Arg Ala Ala Leu Gly Lys Ala Arg Asn Leu Pro Asp  
 595 600 605  
 Ile Arg His Ser Ile Ser Phe Asp Lys Glu Asn Ser Phe Asp Pro Ser  
 610 615 620

258

Asp Lys Ser Ser Ser Val Asp Asn Ser Ile Pro Leu Arg Lys Val Lys  
625 630 635 640

Ser Ala Gly Ala Leu Arg Lys Val Lys Thr Asn Asp Ser Ser Ser Ser  
645 650 655

Ala Gly Ser Lys Lys Ser Ser Ser Ser Phe Ser Thr Val Asn Thr Phe  
660 665 670

Thr Gly Gly Gly Val Gly Ile Phe Lys Val Phe Lys Ser Gly Ser Ser  
675 680 685

Ser Gly Asn Lys Ser Ser Ser Arg Arg Asn Ser Ser Ser Gly Asp Val  
690 695 700

Phe Glu Ser Asp Asp Arg Asn Asp Lys Lys Lys Lys Lys Lys Lys Lys  
705 710 715 720

Lys Lys Ser Leu Phe Leu Phe Gly Lys Ile  
725 730

&lt;210&gt; 255

&lt;211&gt; 2270

&lt;212&gt; DNA

<213> *Candida albicans*

&lt;400&gt; 255

```

aattttcccc ccgtcataag ttctatata cggctggctc tgatggcata atttcatgct 60
ggaacctaca aaccgcgaag aaaataaaaa atttcgccaa atttaacgaa gacagcgtgg 120
ttaaaattgc ttgttcggac aatattctat gtctggcaac ttctgatgat actttcaaga 180
caaacgccgc aattgaccaa actattgaac taaacgcaag ttcaatatac ataattttg 240
actatgagaa ctgatattct cgtgaagatt cgtgtagat gatagaacat tccagaaaaa 300
aaattcagat tcatcgctct ctcttcgctt ctctctcttt aaggaataaa gaaaaaatca 360
catacataga ttaagtaaat aggatctgct agaaaaatta tatatagatc aatcatctta 420
ttaaggatc ttgtttaagc ccaaaagtct gctcccaaat tcctcactgt agctactaaa 480
acaacctata cgcaagaaag atgtcattga cagccgatga atacaaacaa caaggtaacg 540
ctgcatttac cgtaaggat tacgataaag cgatagagct cttcactaaa gctattgaag 600
tttctgaaac tccaaaccat gttttatatt ctaacaggct cgctgttat acttctttaa 660
agaaatttag tgacgcattg aatgatgcta atgaatgtgt caaaatcaat ccatcttggt 720
ctaagggtta taatagactc ggtgccgccc acttaggtct tggcgatctc gacgaagctg 780
aaagcaacta caaaaaagcc ttggagttgg atgccagtaa caaggccgcc aaagaaggat 840
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aaactataga atactaccaa aaatcattga ccgaacatcg tactgctgac attttgacca 1620
agttaaggaa tgctgaaaaa gaattgaaga aagctgaggc ggaggcgtat gttaaccctg 1680

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aaaaggcggg ggaagcccgt cttgaaggta aggaatatatt taccaagagt gattggccga 1740
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ctaatagagc tgctgcacta gcgaagttaa tgtctttccc tgaagctatc gcagattgta 1860
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aaattgctgt taaagaatat gcttccgctt tggaacact agatgcggcc agaaccaaag 1980
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aaaagattca gacgttgatc gctgctggta tcatccggac tggccgctaa 2270

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&lt;210&gt; 256

&lt;211&gt; 589

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 256

```

Met Ser Leu Thr Ala Asp Glu Tyr Lys Gln Gln Gly Asn Ala Ala Phe
  1             5             10             15

Thr Ala Lys Asp Tyr Asp Lys Ala Ile Glu Leu Phe Thr Lys Ala Ile
      20             25             30

Glu Val Ser Glu Thr Pro Asn His Val Leu Tyr Ser Asn Arg Ser Ala
      35             40             45

Cys Tyr Thr Ser Leu Lys Lys Phe Ser Asp Ala Leu Asn Asp Ala Asn
      50             55             60

Glu Cys Val Lys Ile Asn Pro Ser Trp Ser Lys Gly Tyr Asn Arg Leu
      65             70             75             80

Gly Ala Ala His Leu Gly Leu Gly Asp Leu Asp Glu Ala Glu Ser Asn
      85             90             95

Tyr Lys Lys Ala Leu Glu Leu Asp Ala Ser Asn Lys Ala Ala Lys Glu
      100            105            110

Gly Leu Asp Gln Val His Arg Thr Gln Gln Ala Arg Gln Ala Gln Pro
      115            120            125

Asp Leu Gly Leu Thr Gln Leu Phe Ala Asp Pro Asn Leu Ile Glu Asn
      130            135            140

Leu Lys Lys Asn Pro Lys Thr Ser Glu Met Met Lys Asp Pro Gln Leu
      145            150            155            160

Val Ala Lys Leu Ile Gly Tyr Lys Gln Asn Pro Gln Ala Ile Gly Gln
      165            170            175

Asp Leu Phe Thr Asp Pro Arg Leu Met Thr Ile Met Ala Thr Leu Met
      180            185            190

Gly Val Asp Leu Asn Met Asp Asp Ile Asn Gln Ser Asn Ser Met Pro
      195            200            205

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260

Lys Glu Pro Glu Thr Ser Lys Ser Thr Glu Gln Lys Lys Asp Ala Glu  
 210 215 220  
 Pro Gln Ser Asp Ser Thr Thr Ser Lys Glu Asn Ser Ser Lys Ala Pro  
 225 230 235 240  
 Gln Lys Glu Glu Ser Lys Glu Ser Glu Pro Met Glu Val Asp Glu Asp  
 245 250 255  
 Asp Ser Lys Ile Glu Ala Asp Lys Glu Lys Ala Glu Gly Asn Lys Phe  
 260 265 270  
 Tyr Lys Ala Arg Gln Phe Asp Glu Ala Ile Glu His Tyr Asn Lys Ala  
 275 280 285  
 Trp Glu Leu His Lys Asp Ile Thr Tyr Leu Asn Asn Arg Ala Ala Ala  
 290 295 300  
 Glu Tyr Glu Lys Gly Glu Tyr Glu Thr Ala Ile Ser Thr Leu Asn Asp  
 305 310 315 320  
 Ala Val Glu Gln Gly Arg Glu Met Arg Ala Asp Tyr Lys Val Ile Ser  
 325 330 335  
 Lys Ser Phe Ala Arg Ile Gly Asn Ala Tyr His Lys Leu Gly Asp Leu  
 340 345 350  
 Lys Lys Thr Ile Glu Tyr Tyr Gln Lys Ser Leu Thr Glu His Arg Thr  
 355 360 365  
 Ala Asp Ile Leu Thr Lys Leu Arg Asn Ala Glu Lys Glu Leu Lys Lys  
 370 375 380  
 Ala Glu Ala Glu Ala Tyr Val Asn Pro Glu Lys Ala Glu Glu Ala Arg  
 385 390 395 400  
 Leu Glu Gly Lys Glu Tyr Phe Thr Lys Ser Asp Trp Pro Asn Ala Val  
 405 410 415  
 Lys Ala Tyr Thr Glu Met Ile Lys Arg Ala Pro Glu Asp Ala Arg Gly  
 420 425 430  
 Tyr Ser Asn Arg Ala Ala Ala Leu Ala Lys Leu Met Ser Phe Pro Glu  
 435 440 445  
 Ala Ile Ala Asp Cys Asn Lys Ala Ile Glu Lys Asp Pro Asn Phe Val  
 450 455 460  
 Arg Ala Tyr Ile Arg Lys Ala Thr Ala Gln Ile Ala Val Lys Glu Tyr  
 465 470 475 480  
 Ala Ser Ala Leu Glu Thr Leu Asp Ala Ala Arg Thr Lys Asp Ala Glu  
 485 490 495  
 Val Asn Asn Gly Ser Ser Ala Arg Glu Ile Asp Gln Leu Tyr Tyr Lys  
 500 505 510



261

Ala Ser Gln Gln Arg Phe Gln Pro Gly Thr Ser Asn Glu Thr Pro Glu  
515 520 525

Glu Thr Tyr Gln Arg Ala Met Lys Asp Pro Glu Val Ala Ala Ile Met  
530 535 540

Gln Asp Pro Val Met Gln Ser Ile Leu Gln Gln Ala Gln Gln Asn Pro  
545 550 555 560

Ala Ala Leu Gln Glu His Met Lys Asn Pro Glu Val Phe Lys Lys Ile  
565 570 575

Gln Thr Leu Ile Ala Ala Gly Ile Ile Arg Thr Gly Arg  
580 585

<210> 257

<211> 710

<212> DNA

<213> Candida albicans

<400> 257

ctgcagaagt acagctgcct ttatttcttg tggtcattta ttgcttttat tttcaagtca 60  
gatatacaag aaaatcaaat cccatcgta acgtcacgta taaacgatta atttacagta 120  
ataccatact ctaccaacat tatttttagtc cgacgttcag tcctgtaggt gttccaaatc 180  
cttctggcat tgacttctgt gcagaaaccc ttcaaaatga gttccacttt acgtcagatc 240  
gcataacaac cggatcatata tttttttctt ttgctaaacc ccctactgca agcactttta 300  
agaaaaagaa caataaatgc gtcttttattg ctgtgtggaa gtgatttttg tctttcggac 360  
aaaaaaagga tagggatgag agagggctgt gaagtagtga tcaagcgggg cctatataag 420  
aagggcgac atcgcccc ctaagaatag cgaagcgata ttacactgaa cactacaatg 480  
tcaaatagta ctcaataaat atgactgtaa aaatatgtga ctgtgaaggc gaatgttgta 540  
aggactcttg tcattgtggg agcacctgcc ttccaagctg ttctggcggg gaaaagtgc 600  
aatgtgatca cagcaccgga agccctcaat gtaagagttg tggtgaaaaa tgcaaagtgc 660  
aaaccacgtg cacttgtgaa aagagtaaat gcaattgtga aaaatgtag 710

<210> 258

<211> 69

<212> PRT

<213> Candida albicans

<400> 258

Met Thr Val Lys Ile Cys Asp Cys Glu Gly Glu Cys Cys Lys Asp Ser  
1 5 10 15

Cys His Cys Gly Ser Thr Cys Leu Pro Ser Cys Ser Gly Gly Glu Lys  
20 25 30

Cys Lys Cys Asp His Ser Thr Gly Ser Pro Gln Cys Lys Ser Cys Gly  
35 40 45

Glu Lys Cys Lys Cys Glu Thr Thr Cys Thr Cys Glu Lys Ser Lys Cys  
50 55 60

Asn Cys Glu Lys Cys  
65

<210> 259  
 <211> 1474  
 <212> DNA  
 <213> *Candida albicans*

<400> 259  
 aaacccatac acaatgaacc ttatcacacc caaacatatg atatggtatt aaaaaatgaa 60  
 aaaaattcat tattcttttag cgtaattatt gaagaaaaaa cagtgcgcgc ggtaattttt 120  
 tgtcactcag taactagaga gaagccgaat gtactcccc ggctagctgg agaccatggc 180  
 tctgcctagg atttctctta tgctttcctt tcaccaatca ctttggtccg gcgaggcccg 240  
 cgaagctcgc tttctttcag cctagcaatc atgttcttgc cagcgtcgtg gactactgta 300  
 tggcagttgc tgcacttgcc atgaatatcc tagtgaagcc tctatgcaat aatccagtta 360  
 ctgcgttaga atcctggtaa aatgtctaat cttattacat tacagcaacg tattagattt 420  
 tgattgaaaa ttagtccttg cgacttggtg tatatcttat tttaagaaaag ctgaaaggaa 480  
 gaaagatcat cacgaacaac atgtctgctc cacaagccaa gattttgtct caagctccaa 540  
 ctgaattgga attacaagtt gctcaagctt tcggtgaatt ggaaaattct tctccagaat 600  
 tgaaagctga gttgagacct ttgcaattca agtccatcag agaagtatgt tattaatttg 660  
 aatctaaaact taagaataat ggagagtaac aaaggaaaaa agtgtgaacg ggacgatacc 720  
 agaatgtttc aatctagaaa agtataaaaag ataaggacta ggactcaaat gtatttggtc 780  
 gactatcgcc tgaaccttga tgctaagcaa ataccatata ttcaagaaaa agcctactcc 840  
 agtggtttaag aagaagggaa cgatttacta gatcatgcta tacgcagtaa ggttctgata 900  
 gttaattaca atcgggccaa gttctaagcg gtgtcgtcca tgcataatat atttacaagt 960  
 tactggcgtc aactcttcaa atattcaaaa tatcacctaa tcaaaacttac taacattttc 1020  
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<210> 260  
 <211> 190  
 <212> PRT  
 <213> *Candida albicans*

<400> 260  
 Met Ser Ala Pro Gln Ala Lys Ile Leu Ser Gln Ala Pro Thr Glu Leu  
 1 5 10 15  
 Glu Leu Gln Val Ala Gln Ala Phe Val Glu Leu Glu Asn Ser Ser Pro  
 20 25 30  
 Glu Leu Lys Ala Glu Leu Arg Pro Leu Gln Phe Lys Ser Ile Arg Glu  
 35 40 45  
 Ile Asp Val Ala Gly Gly Lys Lys Ala Leu Ala Ile Phe Val Pro Val  
 50 55 60  
 Pro Ser Leu Ala Gly Phe His Lys Val Gln Thr Lys Leu Thr Arg Glu  
 65 70 75 80

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<400> 262
Met Thr Pro Leu Leu Cys Leu His His Leu Leu Gln Gln Val Ser Val
  1                               10                          15

Thr Lys Ile Gln Thr Thr Lys Met Gln Arg Ser Ser Pro Leu Asn Arg
      20                25                30

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<400> 264  
Met Leu Met Pro Lys Glu Asp Arg Asn Lys Ile His Gln Tyr Leu Phe  
1 5 10 15  
Gln Glu Gly Val Val Val Ala Lys Lys Asp Phe Asn Gln Ala Lys His  
20 25 30

265

Glu Glu Ile Asp Thr Lys Asn Leu Tyr Val Ile Lys Ala Leu Gln Ser  
           35                          40                          45  
 Leu Thr Ser Lys Gly Tyr Val Lys Thr Gln Phe Ser Trp Gln Tyr Tyr  
           50                          55                          60  
 Tyr Tyr Thr Leu Thr Glu Glu Gly Val Glu Tyr Leu Arg Glu Tyr Leu  
           65                          70                          75                          80  
 Asn Leu Pro Glu His Ile Val Pro Gly Thr Tyr Ile Gln Glu Arg Asn  
                           85                          90                          95  
 Pro Thr Gln Arg Pro Gln Arg Arg Tyr  
                           100                          105

<210> 265  
 <211> 1432  
 <212> DNA  
 <213> Candida albicans

<400> 265  
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 gcggcctaga cagttacttc ccaggccagg gccaggccac acggacagag gcagattcca 300  
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 gaggaatacta actgaatcag agatctat ttgaaacattc atttacatgt aattgtctgc 840  
 aataaagcaa tatttttgaa atatgcaagt ttactaaca gaataaattc ttttttgatt 900  
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 ccaaaaatct accaagactt tctcttacia gagaccatca accttctact aa 1432

<210> 266  
 <211> 174  
 <212> PRT  
 <213> Candida albicans

<400> 266  
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266

1	5	10	15
Pro Thr Glu Ser Val	Pro Glu Pro	Lys Leu Phe Arg	Met Arg Ile Phe
20		25	30
Ala Ser Asn Glu Val	Ile Ala Lys Ser	Arg Tyr Trp Tyr	Phe Leu Gln
35	40	45	
Lys Leu His Lys Val	Lys Lys Ala Ser	Gly Glu Ile Val	Ser Ile Asn
50	55	60	
Gln Ile Asn Glu Ala	His Pro Thr Lys	Val Lys Asn Phe	Gly Val Trp
65	70	75	80
Val Arg Tyr Asp Ser	Arg Ser Gly Thr	His Asn Met Tyr	Lys Glu Ile
85	90	95	
Arg Asp Val Ser Arg	Val Ala Ala Val	Glu Thr Leu Tyr	Gln Asp Met
100	105	110	
Ala Ala Arg His Arg	Ala Arg Phe Arg	Ser Ile His Ile	Leu Lys Val
115	120	125	
Ala Glu Ile Glu Lys	Thr Ala Asp Val	Lys Arg Gln Tyr	Val Lys Gln
130	135	140	
Phe Leu Thr Lys Asp	Leu Lys Phe Pro	Leu Pro His Arg	Val Gln Lys
145	150	155	160
Ser Thr Lys Thr Phe	Ser Tyr Lys Arg	Pro Ser Thr Phe	Tyr
165	170		

&lt;210&gt; 267

&lt;211&gt; 932

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 267

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ccatgatcat ggaacacttc tccaacaat aa 932

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267

<210> 268  
 <211> 143  
 <212> PRT  
 <213> Candida albicans

<400> 268

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Glu	Gln	Thr	Ala	Glu	Val	Thr	Ile	Glu	Asp	Ala	Leu	Lys	Val	Val	Leu
			20					25					30		
Arg	Thr	Ala	Leu	Val	His	Asp	Gly	Leu	Ala	Arg	Gly	Leu	Arg	Glu	Ser
		35					40					45			
Thr	Lys	Ala	Leu	Thr	Arg	Gly	Glu	Ala	Leu	Leu	Val	Val	Leu	Val	Ser
	50					55					60				
Ser	Val	Thr	Glu	Ala	Asn	Ile	Ile	Lys	Leu	Val	Glu	Gly	Leu	Ala	Asn
65					70					75					80
Asp	Pro	Glu	Asn	Lys	Val	Pro	Leu	Ile	Lys	Val	Ala	Asp	Ala	Lys	Gln
			85						90					95	
Leu	Gly	Glu	Trp	Ala	Gly	Leu	Gly	Lys	Ile	Asp	Arg	Glu	Gly	Asn	Ala
			100					105					110		
Arg	Lys	Val	Val	Gly	Ala	Ser	Val	Val	Val	Val	Lys	Asn	Trp	Gly	Ala
		115					120					125			
Glu	Thr	Asp	Glu	Leu	Ser	Met	Ile	Met	Glu	His	Phe	Ser	Gln	Gln	
	130					135						140			

<210> 269  
 <211> 800  
 <212> DNA  
 <213> Candida albicans

<400> 269

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ctgggataag	ccagtttccg	tcaatggcga	accaaaggaa	attggtgacg	gtaaggtctt	180
aaaataatct	cttcgtacta	tccttcatgt	cgccttttat	tataaagtat	gctaggtagt	240
tttatctata	tcttattttat	gacgcaatat	agggtaacag	agtttttctg	ctctgaaact	300
tccgcagaaa	aaaaatcaag	ttttcctttt	cgtatcttgg	attattgtta	tataatagat	360
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gatctctcga	tattaatgga	ctacagaagc	aacaagagtc	ctctcagtat	attcactgtg	720
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gtaggggtgc	tagacgttga					800

268

<210> 270  
 <211> 99  
 <212> PRT  
 <213> Candida albicans

<400> 270  
 Met Thr Glu Glu Thr Ile Thr Ile Asp Ser Ile Ser Asn Gly Ile Leu  
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 Asn Asn Leu Leu Thr Thr Leu Ile Gln Asp Ile Val Ala Arg Glu Thr  
                   20                  25                  30  
 Thr Gln Gln Gln Leu Leu Lys Thr Arg Tyr Pro Asp Leu Arg Ser Tyr  
                   35                  40                  45  
 Tyr Phe Asp Pro Asn Gly Ser Leu Asp Ile Asn Gly Leu Gln Lys Gln  
           50                  55                  60  
 Gln Glu Ser Ser Gln Tyr Ile His Cys Glu Asn Cys Gly Arg Asp Val  
           65                  70                  75                  80  
 Ser Ala Asn Arg Leu Ala Ala His Leu Gln Arg Cys Leu Ser Arg Gly  
                   85                  90                  95  
 Ala Arg Arg

<210> 271  
 <211> 1605  
 <212> DNA  
 <213> Candida albicans

<400> 271  
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 tgtcatcgac gcgccggagc atcggaaggt tggaaacgtgc gcgattgcac caatcccact 180  
 gggggccgtgc attctgtagg caggaagcca ctggacactc tgcccgttcc cacttggaag 240  
 attggcgtaa ttccacgctc ctctatcgat tctagcggga aagttatctc tcctggtaag 300  
 cgttggagga atgccgctac ctaggtaagt ctactgggtg ggaattccag taccgacgtc 360  
 taggaacatc atgatgctgc agtttctttg aaatttcata tacagtgtta ccaaggataa 420  
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 gagaacttta tatgtggaaa aatggcatga aagtttgaaa gtgagaaaga actaaacaga 600  
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 tactacaaac cgtgaaattg aagcagttca tatacttgga gtatagtcaa taaaagacaa 780  
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ggctctaactg acactactgt tccaaagaga ttgggtccaa agagagctaa caacatcaga 1320
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aaggctgaaa tcagaaagag aagagcttct tctttgaagg cttaa 1605

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&lt;210&gt; 272

&lt;211&gt; 236

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 272

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Met Lys Leu Asn Ile Ser Tyr Pro Val Asn Gly Ser Gln Lys Thr Phe
  1             5             10             15

Glu Ile Asp Asp Glu His Arg Ile Arg Val Phe Phe Asp Lys Arg Ile
      20             25             30

Gly Gln Glu Val Asp Gly Glu Ala Val Gly Asp Glu Phe Lys Gly Tyr
      35             40             45

Val Phe Lys Ile Ser Gly Gly Asn Asp Lys Gln Gly Phe Pro Met Lys
      50             55             60

Gln Gly Val Leu Leu Pro Thr Arg Ile Lys Leu Leu Leu Thr Lys Asn
      65             70             75             80

Val Ser Cys Tyr Arg Pro Arg Arg Asp Gly Glu Arg Lys Arg Lys Ser
      85             90             95

Val Arg Gly Ala Ile Val Gly Pro Asp Leu Ala Val Leu Ala Leu Val
      100            105            110

Ile Val Lys Lys Gly Glu Gln Glu Leu Glu Gly Leu Thr Asp Thr Thr
      115            120            125

Val Pro Lys Arg Leu Gly Pro Lys Arg Ala Asn Asn Ile Arg Lys Phe
      130            135            140

Phe Gly Leu Ser Lys Glu Asp Asp Val Arg Asp Phe Val Ile Arg Arg
      145            150            155            160

Glu Val Thr Lys Gly Glu Lys Thr Tyr Thr Lys Ala Pro Lys Ile Gln
      165            170            175

Arg Leu Val Thr Pro Gln Arg Leu Gln Arg Lys Arg His Gln Arg Ala
      180            185            190

Leu Lys Val Arg Asn Ala Gln Ala Gln Arg Glu Ala Ala Ala Glu Tyr
      195            200            205

Ala Gln Leu Leu Ala Lys Arg Leu Ser Glu Arg Lys Ala Glu Lys Ala
      210            215            220

Glu Ile Arg Lys Arg Arg Ala Ser Ser Leu Lys Ala

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225

230

235

&lt;210&gt; 273

&lt;211&gt; 4331

&lt;212&gt; DNA

<213> *Candida albicans*

&lt;400&gt; 273

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ccattcagaa tagcgcttcg acatttacac caggcggtga ttctgatgta tctgcgcca 4200
ataccgataa aggatccgta gaaacattgc ctgcagtcct aactgacgac ccaaattgtg 4260
aagtcaaagt cactgctacc tatgacaaac tattaataaa tttgtcgatg gagaggtcaa 4320
tcagactttg a                                     4331

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&lt;210&gt; 274

&lt;211&gt; 1276

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 274

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Met Ile Thr Asn Thr Glu Phe Asp Val Pro Val Asp Trp Leu Tyr Lys
 1             5             10             15

Gly Lys Ser Arg Arg Lys Thr Asn Thr Lys Pro Ser Arg Pro Ser Thr
      20             25             30

Ser Pro Ala Ser Ser Ser Ser Thr Ser Ser Ser Lys Asn Gly Asp Asn
      35             40             45

Ser Thr Ser Gly Asn Arg Ser Ser Asn Asp Lys Pro Arg Ala Arg Ser
      50             55             60

Ser Ser Val Ser Asn Ala Ala Leu Cys Asn Thr Glu Lys Pro Asp Leu
      65             70             75             80

Lys Arg Asn Asp Gly Asn Thr Ser Ala Ser Asp Thr Asp Asn Ile Pro
      85             90             95

Leu Leu Thr Pro Ile Asn Ser Gly Asn Arg Ser Asp Ser Ala Asp Ile
      100            105            110

Asp Asn Pro Ala Thr Val Asp Ala Ile Asp Leu Ile Asp Asn Asp Asp
      115            120            125

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Asn Gly Ser Ser Thr Gln Phe Val Arg Lys Lys Arg Ser Thr Ser Ile  
 130 135 140  
 Ser Asn Ala Val Val Ser Ser Lys Pro Arg Leu Ala Ser Ser Ala Ile  
 145 150 155 160  
 Asn Ala Thr Ala Ser Ser Ser Val Gly Lys Gly Lys His Pro Pro Ile  
 165 170 175  
 Ser Ser Pro Ser Asn Ala Thr Leu Lys Arg Ser Asn Ser Thr Ser Gly  
 180 185 190  
 Glu Lys Thr Lys Arg Ser Ile Phe Gly Ser Leu Phe Ser Lys Arg Ser  
 195 200 205  
 Thr Ser Ser Ser Ala Ser Thr Ala Lys Lys Pro Leu Pro Val Val Asn  
 210 215 220  
 Thr Ser Thr Thr Glu Asn Glu Ser Gly Gly Ile Lys Ala Val Ala Thr  
 225 230 235 240  
 Pro Asp Pro Arg Val Lys Glu Ile Ser Ser Pro Met Arg Gly Val Ala  
 245 250 255  
 Pro Thr Ala Ser Lys Pro Gln Thr Pro Ile Leu Pro Ser Pro Ala Leu  
 260 265 270  
 Ala Val Lys Asp Leu Ser Thr Val Ser Leu Lys Arg Val Ser Phe Ala  
 275 280 285  
 Val Asp Lys Phe Glu Ser Asp Pro Pro Gln Gln Leu Pro Ser Arg Thr  
 290 295 300  
 Pro Lys Lys Gly Asn Ile Leu Ile Pro Asp Asp Met Ile Ser Glu Val  
 305 310 315 320  
 Pro Ser Ile Ser Val Gly Ile Ser Ser Ser Asn Gln Ser Ala Lys Ser  
 325 330 335  
 Thr Asn Ser Asn Ile Lys Gly Pro Leu Tyr Thr Lys Lys Ser Lys Glu  
 340 345 350  
 Tyr Ile Leu Ala Leu Glu Asn Gln Lys Leu Ala Leu Arg Glu Ala Ala  
 355 360 365  
 Lys His Gln Gln Glu Ala His Phe Ala Ala Asn Arg Ile Ala Phe Glu  
 370 375 380  
 Val Ala Asn Phe Lys Thr Ala Ser Asp Ala Gly Gly Lys Leu Thr Glu  
 385 390 395 400  
 Lys Ser Ser Glu Gly Thr Ile Thr Lys Gln Arg Glu Glu Val Ser Pro  
 405 410 415  
 Pro Asn Val Glu Ala Asp Arg Glu Leu Glu Asn Asn Lys Leu Ala Glu  
 420 425 430

Asn Leu Ser Lys Ala Gly Ile Asp Lys Pro Ile His Met His Glu His  
 435 440 445  
 Tyr Phe Lys Glu Pro Asp Gln Asp Lys Tyr Gln Asp Gly His Ser Ile  
 450 455 460  
 Glu Asn Asn Glu Val Thr Leu Asp Val Ile Tyr Thr Arg Cys Cys His  
 465 470 475 480  
 Leu Arg Glu Ile Leu Pro Ile Pro Ser Thr Leu Arg Gln Val Lys Asp  
 485 490 495  
 Lys Thr Ala Pro Leu Gln Ile Leu Lys Phe Leu Asn Pro Lys Pro Thr  
 500 505 510  
 Leu Ile Asp Ile Leu Ser Phe Cys Asp Phe Ile Thr Ile Ala Pro Ile  
 515 520 525  
 His Thr Ile Val Phe Asp Asn Val Ala Leu Asn Gln Asp Met Phe Arg  
 530 535 540  
 Ile Ile Ile Ser Ala Leu Val Asn Ser Thr Val Leu Asp Lys Leu Ser  
 545 550 555 560  
 Leu Arg Asn Val Arg Ile Asp Gln Asp Gly Trp Lys Leu Leu Cys Lys  
 565 570 575  
 Phe Leu Leu Leu Asn Lys Ser Leu Asn Lys Leu Asp Ile Ser Gln Thr  
 580 585 590  
 Lys Ile Lys Ser Asp Leu Ala Glu Ser Leu Tyr Arg His Asn Met Asp  
 595 600 605  
 Trp Asn Leu Phe Thr Asp Val Leu Ser Gln Arg Ser His Lys Pro Ile  
 610 615 620  
 Glu Glu Leu Leu Phe Asn Gly Ile Gln Phe Ser Lys Ile Pro Tyr Ser  
 625 630 635 640  
 Cys Phe Ala Arg Leu Leu Thr Ser Phe Ala Thr Gln Lys Asn Phe Pro  
 645 650 655  
 Glu Ser Gly Ile Arg Leu Gly Leu Ala Gly Ala Thr Thr Ser Asn Ile  
 660 665 670  
 Ser Gln Asp Cys Leu Lys Phe Ile Phe Asn Trp Met Ser Gln Tyr Asn  
 675 680 685  
 Val Gln Gly Val Asp Leu Ala Phe Asn Asp Leu Ser Thr Met Ile Lys  
 690 695 700  
 Pro Met Val Gly Lys Leu Ser Ala Leu Ser Tyr Asp Asn Leu Arg Tyr  
 705 710 715 720  
 Phe Ile Leu Asn Ser Thr Asn Ile Ser Thr Ser Tyr Asp Leu Ala Leu  
 725 730 735

Leu Leu Lys Tyr Leu Ser Lys Leu Pro Asn Leu Ile Phe Leu Asp Leu  
 740 745 750  
 Ser Asn Leu Ser Gln Cys Phe Pro Asp Ile Leu Pro Tyr Met Tyr Lys  
 755 760 765  
 Tyr Leu Pro Arg Phe Pro Asn Leu Lys Arg Ile His Leu Asp Ser Asn  
 770 775 780  
 Asn Leu Thr Leu Lys Glu Leu Ala Val Val Cys Asn Ile Leu Ile Lys  
 785 790 795 800  
 Cys Lys Ser Leu Ser His Val Ser Met Thr Asn Gln Asn Val Glu Asn  
 805 810 815  
 Phe Tyr Leu Met Asn Gly Thr Asp Ser Pro Val Gln Gln Thr Asn Thr  
 820 825 830  
 Asp Gly Asp Leu Asp Ser Ser Ser Thr Leu Asp Val Lys Gly Gln Phe  
 835 840 845  
 Ala Lys Asn Ser Phe Ser Ser Thr Leu Tyr Ala Phe Ala Arg Asp Ser  
 850 855 860  
 Pro Asn Leu Ile Gly Leu Asp Phe Asp Tyr Asp Leu Ile Ser Glu Glu  
 865 870 875 880  
 Ile Gln Ser Arg Ile Ala Leu Cys Leu Met Arg Asn Met Lys Arg Thr  
 885 890 895  
 Met Asp Ser Thr Phe Gln Leu Asp Glu Leu Asp Ser Gln Asp Asp Leu  
 900 905 910  
 Leu Phe Asp Gly Ser Leu Val Thr Met Thr Ala Glu Ser Val Leu Glu  
 915 920 925  
 Lys Leu Asn Leu Leu Ser Asp Lys Ser Thr Lys Val Lys Lys Asp Thr  
 930 935 940  
 Thr Lys Arg Tyr Leu Leu Lys Lys Tyr Ile Glu Lys Phe His Ile Leu  
 945 950 955 960  
 His His Asn Val Gln His Thr Ile Asp Thr Met Phe Glu Lys Arg Lys  
 965 970 975  
 Ser Gly Glu Leu Pro Leu Gln Glu Lys Glu Asn Leu Val Arg Leu Leu  
 980 985 990  
 Leu Leu Glu Gln Asn Leu Cys Asn Ile Leu Glu Leu Phe Ser His Asn  
 995 1000 1005  
 Pro Asn Leu Asn Asp Val Leu Gly Ser Ser Arg Asp Asp Ser Lys Glu  
 1010 1015 1020  
 Ser Val Asp Ser Ser Glu Asp Ser Lys Leu Pro Ala Leu Lys His Val  
 1025 1030 1035 1040

275

Glu Ser Gly Tyr His Val Pro Glu Glu Lys Ile Gln Pro Glu Asn Asp  
                           1045                          1050                          1055  
 Val Ile Thr Ala Arg Pro His Leu Met Ala Thr Asp Ser Gly Lys Thr  
                           1060                          1065                          1070  
 Ile Asp Val Phe Thr Gly Lys Pro Leu Val Phe Lys His Thr Ser Ser  
                           1075                          1080                          1085  
 Ser Thr Ser Val Gly Cys Lys Lys Gln Glu Glu Glu Gly Glu Leu  
                           1090                          1095                          1100  
 His Lys Trp Gly Phe Phe Val Gln Gln Gln Arg Ser Leu Tyr Pro Glu  
                           1105                          1110                          1115                          1120  
 Asn Glu Ser Thr Arg Gln Thr Pro Phe Ala Ser Gly Asp Thr Pro Ile  
                           1125                          1130                          1135  
 Asn Thr Glu Thr Ala Gly Lys Ser Thr Ser Ser Pro Ser Val Ser Thr  
                           1140                          1145                          1150  
 Ser Asn Asn Glu Thr Ala Thr Thr Ser Leu Phe Ser Pro Ala Asn Pro  
                           1155                          1160                          1165  
 Lys Ile Leu Pro Lys Ile Pro Ser Gly Ala Val Leu Arg Ser Ala Ile  
                           1170                          1175                          1180  
 Met Lys Ala Lys Gly Ile Asp Ser Ile Asp Asp Leu Ile Gln Asn Val  
                           1185                          1190                          1195                          1200  
 Asn Ser Asn Asn Ile Glu Leu Glu Asn Ile Tyr Gly Glu Ser Ile Gln  
                           1205                          1210                          1215  
 Asn Ser Ala Ser Thr Phe Thr Pro Gly Val Asp Ser Asp Val Ser Ala  
                           1220                          1225                          1230  
 Pro Asn Thr Asp Lys Gly Ser Val Glu Thr Leu Pro Ala Val Ser Thr  
                           1235                          1240                          1245  
 Asp Asp Pro Asn Cys Glu Val Lys Val Thr Ala Thr Tyr Asp Lys Leu  
                           1250                          1255                          1260  
 Leu Asn Asn Leu Ser Met Glu Arg Ser Ile Arg Leu  
                           1265                          1270                          1275

&lt;210&gt; 275

&lt;211&gt; 1262

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 275

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 tcaaacagca ttatatcgct accaacaggt gtgggtcaaga ggtcattgac tcttcctgtc 120  
 ggatgaaaa tttaaaaata tataataaca taagtttgca ttcattaata ttaataataa 180

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cgcaatatca gaatcgttta tcccaaaggg tagttatagc aactatttaa ataacttaga 360
tgtttcttta acttattccg tcatacgtac acaaacaccc gctagatata gcactccttg 420
ctgtcgaaca ttataaaggt gcttttaaaa ctactaatcg tatattcagc aggtcagaac 480
gcaaagtcgg acgataaact atgttgaagc tagctcgtcc atttattccg cctttatcaa 540
ggaacaatgc catttcttca ggaatagttc tcaacttctag aagatttcag tcttccttta 600
cgttcttaag taaccagtct ttactatcta aaaatcaaat gaaatccaaa agaaaaaagg 660
gcagtaaaaa ggcagcgtac catcgtcaac ccccggaaca cgaacatact gcaccactta 720
taaagcaaaa caagacaatc acaaagaaag aacatagcga tgtgagaggt tctcatttaa 780
aaaagaaaag aagcgatttt tcgtggctac caagagtacc atccacctca catttaaagc 840
agagtgcacat gaccacaaat gtactctatt ctggatatag acccttattc atcaatccca 900
atgacccgaa gctaaaggaa gacaccggaa gtacgttata cgaatttgcg atgaagcttg 960
aagattttaa tgaacctcta tcaccatgga tttcctctgc cactggactt gaattctttt 1020
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ga

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&lt;210&gt; 276

&lt;211&gt; 253

&lt;212&gt; PRT

<213> *Candida albicans*

&lt;400&gt; 276

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Met Leu Lys Leu Ala Arg Pro Phe Ile Pro Pro Leu Ser Arg Asn Asn
  1             5             10             15

Ala Ile Ser Ser Gly Ile Val Leu Thr Ser Arg Arg Phe Gln Ser Ser
      20             25             30

Phe Thr Phe Leu Ser Asn Gln Ser Leu Leu Ser Lys Asn Gln Met Lys
      35             40             45

Ser Lys Arg Lys Lys Gly Ser Lys Lys Ala Ala Tyr His Arg Gln Pro
      50             55             60

Pro Glu His Glu His Thr Ala Pro Leu Ile Lys Gln Asn Lys Thr Ile
      65             70             75             80

Thr Lys Lys Glu His Ser Asp Val Arg Gly Ser His Leu Lys Lys Lys
      85             90             95

Arg Ser Asp Phe Ser Trp Leu Pro Arg Val Pro Ser Thr Ser His Leu
      100            105            110

Lys Gln Ser Asp Met Thr Thr Asn Val Leu Tyr Ser Gly Tyr Arg Pro
      115            120            125

Leu Phe Ile Asn Pro Asn Asp Pro Lys Leu Lys Glu Asp Thr Gly Ser
      130            135            140

Thr Leu Tyr Glu Phe Ala Met Lys Leu Glu Asp Leu Asn Glu Pro Leu
      145            150            155            160

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277

Ser Pro Trp Ile Ser Ser Ala Thr Gly Leu Glu Phe Phe Ser Glu Trp  
                             165                            170                            175  
 Glu Asn Ile Pro Ser Glu Leu Leu Lys Asn Leu Lys Pro Phe His Pro  
                             180                            185                            190  
 Pro Lys Glu Lys Ser Met Asn Thr Asn Glu Leu Ile His Val Ser Ala  
                             195                            200                            205  
 Lys Arg Asn Thr Leu Val Asp Asn Lys Thr Ser Glu Thr Leu Gln Arg  
                             210                            215                            220  
 Lys Met Asp Glu Phe Ser Lys Arg Arg Gly Lys Gly Arg Lys Lys Ser  
                             225                            230                            235                            240  
 Val Val Thr Leu Leu Gln Met Lys Lys Lys Leu Glu Gly  
                             245                            250

<210> 277  
 <211> 1940  
 <212> DNA  
 <213> Candida albicans

<400> 277  
 acgttattttt caaaacacat acgaaatcgc tggacttttct cactaaaggc ttccggagacc 60  
 tgcgggttctt ccatcccat ctcttccaca tataccgggg gttctgatgg cattcctata 120  
 gcttgctcaa agtcctgcga gtttagctca tcttgtagt tatttgctgg ttcttcaaca 180  
 ttccgaagag tagttagcct cctagtattc accatatact ttgtatactc atatgcgaac 240  
 ttgtctaata caatgtatac caaaaataac agcttgaaaa aaatctcagg gtcttttcat 300  
 tgaataatct cattctgcta ttttaagttt ttctgttgca acccgagact gtcgagctag 360  
 aaaatttcat tgatacgatt taaaaataat cgatgccagt aatagcctca aaaaacttat 420  
 gcaaaaatac gagatactat aaactacagc ttagttaact ctaacattat tatataaaac 480  
 aatgggcttc aatatagcgt atgtctagct cacagcatgt gttccaaata cattaaagaa 540  
 gatctctttt gttgttgata ctaaccagta aagttgagag ttataacaat gaaaatagga 600  
 tgctgtgcga ctttttttat ccacagtttag gtggagtcga attccatata tatcatttat 660  
 cgcagaaact aatcgatttg ggccattctg tcgtcattat aactcacgct tacaagatc 720  
 gagtcggcgt acgacatctt accaacgggc taaagggtcta tcacgtacca ttttttgtga 780  
 ttttcagaga aaccactttc cccactgttt tttcaacatt tccaataata aggaatattc 840  
 ttctcagaga gcagatccaa attgttcatt ctcatggttag cgcttccacg ttctgtcacg 900  
 agggaaattct tcatgctaact actatgggat tgagaactgt gttcacggac cattcactct 960  
 acgggttttaa taacttaacg tcgatttggg tgaataagtt gctaacattt accttgacaa 1020  
 acatagatcg gggtatatgt gtttctaata catgcaaaga aaatatgatt gttagaacag 1080  
 aattaagtcc tgatataatc tcagtaattc ccaacgcagt ggtgagcgaa gatttcaaac 1140  
 caagggatcc tactggtggc accaagagaa aacaaagtag ggataagata gtgatcgtgg 1200  
 tcatcgggaag gctctttcca aacaaagggc ccgatttact tactcgcata attccgaaag 1260  
 tttgttcttc acatgaagat gtccaattta tagtagcggg cgatgggtcca aagttcatag 1320  
 attttcaaca aatgattgaa agtcatagac tacaaaaacg tgtgcaactc ttaggctctg 1380  
 ttccacatga gaaagtcagg gatgtattat gtcaagggtga catatattta cagctagtt 1440  
 taacagaagc atttggtaca attctagttg aggcgcgcatc ttgtaatttg ctaattgtaa 1500  
 cgacacaagt cggaggaatt cccgaagtgt taccaaataa gatgactgtt tatgcagaac 1560  
 agacatccgt ttctgacctt gttcaagcaa caaataaagc tatcaatata ataagaagta 1620  
 aagctttgga cacttccctc ttctcatgata gcgtgtctaa aatgtacgac tggatggacg 1680  
 tagccaaaag gacagtagag atatatacta atatattctt tacttcttcc gctgatgata 1740  
 aagattggat gaaaatggta gcaaatcttt acaaaagaga tggaaatctgg gctaaacatc 1800  
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<400> 278																
Met	Ser	Ser	Ser	His	Lys	Val	Glu	Ser	Tyr	Asn	Asn	Glu	Asn	Arg	Met	
1				5					10					15		
Leu	Cys	Asp	Phe	Phe	Tyr	Pro	Gln	Leu	Gly	Gly	Val	Glu	Phe	His	Ile	
			20					25					30			
Tyr	His	Leu	Ser	Gln	Lys	Leu	Ile	Asp	Leu	Gly	His	Ser	Val	Val	Ile	
		35					40					45				
Ile	Thr	His	Ala	Tyr	Lys	Asp	Arg	Val	Gly	Val	Arg	His	Leu	Thr	Asn	
	50					55					60					
Gly	Leu	Lys	Val	Tyr	His	Val	Pro	Phe	Phe	Val	Ile	Phe	Arg	Glu	Thr	
65					70					75					80	
Thr	Phe	Pro	Thr	Val	Phe	Ser	Thr	Phe	Pro	Ile	Ile	Arg	Asn	Ile	Leu	
				85					90					95		
Leu	Arg	Glu	Gln	Ile	Gln	Ile	Val	His	Ser	His	Gly	Ser	Ala	Ser	Thr	
			100					105					110			
Phe	Ala	His	Glu	Gly	Ile	Leu	His	Ala	Asn	Thr	Met	Gly	Leu	Arg	Thr	
		115					120					125				
Val	Phe	Thr	Asp	His	Ser	Leu	Tyr	Gly	Phe	Asn	Asn	Leu	Thr	Ser	Ile	
	130					135					140					
Trp	Val	Asn	Lys	Leu	Leu	Thr	Phe	Thr	Leu	Thr	Asn	Ile	Asp	Arg	Val	
145				150						155					160	
Ile	Cys	Val	Ser	Asn	Thr	Cys	Lys	Glu	Asn	Met	Ile	Val	Arg	Thr	Glu	
				165					170					175		
Leu	Ser	Pro	Asp	Ile	Ile	Ser	Val	Ile	Pro	Asn	Ala	Val	Val	Ser	Glu	
			180					185					190			
Asp	Phe	Lys	Pro	Arg	Asp	Pro	Thr	Gly	Gly	Thr	Lys	Arg	Lys	Gln	Ser	
	195					200						205				
Arg	Asp	Lys	Ile	Val	Ile	Val	Val	Ile	Gly	Arg	Leu	Phe	Pro	Asn	Lys	
	210				215						220					
Gly	Ser	Asp	Leu	Leu	Thr	Arg	Ile	Ile	Pro	Lys	Val	Cys	Ser	Ser	His	
225					230					235					240	
Glu	Asp	Val	Glu	Phe	Ile	Val	Ala	Gly	Asp	Gly	Pro	Lys	Phe	Ile	Asp	
			245						250					255		

279

Phe Gln Gln Met Ile Glu Ser His Arg Leu Gln Lys Arg Val Gln Leu  
                   260                  265                  270  
 Leu Gly Ser Val Pro His Glu Lys Val Arg Asp Val Leu Cys Gln Gly  
                   275                  280                  285  
 Asp Ile Tyr Leu His Ala Ser Leu Thr Glu Ala Phe Gly Thr Ile Leu  
           290                  295                  300  
 Val Glu Ala Ala Ser Cys Asn Leu Leu Ile Val Thr Thr Gln Val Gly  
 305                  310                  315                  320  
 Gly Ile Pro Glu Val Leu Pro Asn Glu Met Thr Val Tyr Ala Glu Gln  
                   325                  330                  335  
 Thr Ser Val Ser Asp Leu Val Gln Ala Thr Asn Lys Ala Ile Asn Ile  
                   340                  345                  350  
 Ile Arg Ser Lys Ala Leu Asp Thr Ser Ser Phe His Asp Ser Val Ser  
           355                  360                  365  
 Lys Met Tyr Asp Trp Met Asp Val Ala Lys Arg Thr Val Glu Ile Tyr  
           370                  375                  380  
 Thr Asn Ile Ser Ser Thr Ser Ser Ala Asp Asp Lys Asp Trp Met Lys  
 385                  390                  395                  400  
 Met Val Ala Asn Leu Tyr Lys Arg Asp Gly Ile Trp Ala Lys His Leu  
                   405                  410                  415  
 Tyr Leu Leu Cys Gly Ile Val Glu Tyr Met Leu Phe Phe Leu Leu Glu  
                   420                  425                  430  
 Trp Leu Tyr Pro Arg Asp Glu Ile Asp Leu Ala Pro Lys Trp Pro Lys  
           435                  440                  445  
 Lys Thr Val Ser Asn Glu Thr Lys Glu Ala Arg Glu Thr  
           450                  455                  460

&lt;210&gt; 279

&lt;211&gt; 2900

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 279

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 tgatggacga cctgactaga gagttactac tatgggagaa aaaatattca aataacacta 180  
 atgccattca ataaacgcaa aacactgcaa tattattctc aaccaaagta taactgtaat 240  
 gaggcgaaca aacacatcta tacatatata tacatctata tggatataaa aacgactaat 300  
 tcaacgttgt ttttatcaac cgagcttact cttgtacggg taaccgcaag gatagctagt 360  
 tgcggatggt atagcgattt ggctggcacg atgattaagg aatccaaaca tctaattggac 420  
 tagcacattc tatcgattta cgggtcaggt aaacatagat attgggatat atcatatatc 480  
 cttactgagt aactataatt atggttcatc gaggaaggac tttgaagtca gacactgatg 540

280

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taacatctct taatgcgtca acagtatcac accagtcaaa gccatttaga cagttttcga 600
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atggcaccct ggataatgat tattttaata agcacaacgt ttctcagaaa tgcaagagtt 720
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gaagaagtaa aagtacccaa tctgttctga gtcttcgaga tgcgcaagaa tctaaaaaga 960
gtgaatctac tactgacgag gaggtggaat gtttttcgga agacaacatt gaagatggaa 1020
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aagggcatag cttactggaa aattatgcgc ctaatatgat tctctccag tcgactggag 1740
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tttcgacctc catatcgagt ttaaccaata atttgaggag agctgctcct gaaagcttcc 2040
atggttcaag aatgaataat atttttcaca agaaaggtaa tcagaatcta cttctgagat 2100
ccaacgatct caacaaaaat tctgcagccc cggcctctcc attgtccaac gaacatatta 2160
catctagtac gaactccggt agcgatgcaa acagacaatc caactcaggt gccaaattta 2220
atagcttcgc ccagttcctt aaatcagatg ggattgatgc agaatcaaga acacaaagaa 2280
aattatggtt gcagagggag aattctatta tggacttaag ttcacaaaat gacggtagt 2340
actctatctt tatggcagga aacattgatg cgaaaaggga gtttgagaga atatcccatg 2400
aatactctaa tgtaaaaaga ttttacaacc cattagatga agcattgttg agagtacaac 2460
ctataataac gggaaatgca aataatatca gggaaaaaag ccataacgat gctcagtcaa 2520
tcgcacattc tagcagtgat acagatcata aggatgagga cgatttgctc tttactaact 2580
atgacaaaaa atttgatgat ctttatccac atcttgcaag tgcaaagatt caggcagtgt 2640
tgtccggtat atggaaaagc gaaagttact tatttaacaa ggatgttaat ccaatcaaca 2700
agaataggac aacaggtaca aaccacagcg ttggccacac tgcttcacag aatgcacgta 2760
acttgctgag gggcccgatg ggttccagca cgactttgca ccaccaacgc gtcattaact 2820
ctctgcagcc gactacgagg gcagtgaatc gcaggatgga aaatgtgggc tacatgcata 2880
cacagccaca acaaagggtga                                     2900

```

&lt;210&gt; 280

&lt;211&gt; 799

&lt;212&gt; PRT

<213> *Candida albicans*

&lt;400&gt; 280

```

Met Val His Arg Gly Arg Thr Leu Lys Ser Asp Thr Asp Val Thr Ser
  1              5              10              15

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Leu Asn Ala Ser Thr Val Ser His Gln Ser Lys Pro Phe Arg Gln Phe
      20              25              30

```

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Ser Thr Arg Ser Arg Ala Lys Ser Asn Ala Ser Phe Lys Gly Leu Arg
  35              40              45

```

Arg Val Leu Thr His Asp Gly Thr Leu Asp Asn Asp Tyr Phe Asn Lys  
 50 55 60  
 His Asn Val Ser Gln Lys Cys Lys Ser Ser Asp Ala Leu Phe Arg Lys  
 65 70 75 80  
 Arg Thr Ile Ser Gly Leu Asn Met Thr Ala Leu Thr Arg Val Lys Ser  
 85 90 95  
 Asn Gln Gly Lys Arg Ser Ala Ser Phe His Ser Pro Val His Asn Thr  
 100 105 110  
 Leu Leu Ser Pro Lys Asn Ser Ser His Ser Asn Thr Gly Thr Ala Gly  
 115 120 125  
 Phe Gly Leu Lys Pro Arg Arg Ser Lys Ser Thr Gln Ser Val Leu Ser  
 130 135 140  
 Leu Arg Asp Ala Gln Glu Ser Lys Lys Ser Glu Ser Thr Thr Asp Glu  
 145 150 155 160  
 Glu Val Glu Cys Phe Ser Glu Asp Asn Ile Glu Asp Gly Lys Val Asn  
 165 170 175  
 Asn Asp Lys Val Ile Ala Glu His Val Met Pro Glu Glu Lys Lys Asn  
 180 185 190  
 Val Gln Gln Leu Asn Gln Asn Glu Leu Gln Ser Pro Asp Ser Ile Asp  
 195 200 205  
 Glu Gln Glu Glu Asp Lys Ser Gly Thr Asp Gly Lys Glu Asn His Arg  
 210 215 220  
 Ala Val Ser Leu Pro Leu Pro His Leu Ser Ser Asn Asn Tyr Phe Gly  
 225 230 235 240  
 Glu Ser Ser His Ser Ile Glu His Gln Lys Asp Gly Glu Thr Ser Pro  
 245 250 255  
 Ser Ser Ile Glu Thr Lys Leu Asn Ala Thr Ser Val Ile Asn Glu Glu  
 260 265 270  
 Gly Gln Ser Lys Val Thr Lys Glu Ala Asp Ile Asp Asp Leu Ser Ser  
 275 280 285  
 His Ser Gln Asn Leu Arg Ala Ser Leu Val Lys Ala Gly Asp Asn Ile  
 290 295 300  
 Ser Glu Ala Pro Tyr Asp Lys Glu Lys Lys Ile Leu Asp Val Gly Asn  
 305 310 315 320  
 Thr Leu Ala Ala His Lys Ser Asn Gln Lys Pro Ser His Ser Asp Glu  
 325 330 335  
 Gln Phe Asp Gln Glu Asp His Ile Asp Ala Pro Arg Ser Asn Ser Ser  
 340 345 350

Arg Lys Ser Asp Ser Ser Phe Met Ser Leu Arg Arg Gln Ser Ser Lys  
 355 360 365  
 Gln His Lys Leu Leu Asn Glu Glu Glu Asp Leu Ile Lys Pro Asp Asp  
 370 375 380  
 Ile Ser Ser Ala Gly Thr Lys Asp Ile Glu Gly His Ser Leu Leu Glu  
 385 390 395 400  
 Asn Tyr Ala Pro Asn Met Ile Leu Ser Gln Ser Thr Gly Val Glu Arg  
 405 410 415  
 Arg Phe Glu Asn Ser Ser Ser Ile Gln Asn Ser Leu Gly Asn Glu Ile  
 420 425 430  
 His Asp Ser Gly Glu His Met Ala Ser Gly Asp Thr Phe Asn Glu Leu  
 435 440 445  
 Asp Asp Gly Lys Leu Arg Lys Ser Lys Lys Asn Gly Gly Arg Ser Gln  
 450 455 460  
 Leu Gly Gln Asn Ile Pro Asn Ser Gln Ser Thr Phe Pro Thr Ile Ala  
 465 470 475 480  
 Asn Ile Gly Ser Lys Asp Asn Asn Val Pro Gln His Asn Phe Ser Thr  
 485 490 495  
 Ser Ile Ser Ser Leu Thr Asn Asn Leu Arg Arg Ala Ala Pro Glu Ser  
 500 505 510  
 Phe His Gly Ser Arg Met Asn Asn Ile Phe His Lys Lys Gly Asn Gln  
 515 520 525  
 Asn Leu Leu Leu Arg Ser Asn Asp Leu Asn Lys Asn Ser Ala Ala Pro  
 530 535 540  
 Ala Ser Pro Leu Ser Asn Glu His Ile Thr Ser Ser Thr Asn Ser Gly  
 545 550 555 560  
 Ser Asp Ala Asn Arg Gln Ser Asn Ser Gly Ala Lys Phe Asn Ser Phe  
 565 570 575  
 Ala Gln Phe Leu Lys Ser Asp Gly Ile Asp Ala Glu Ser Arg Thr Gln  
 580 585 590  
 Arg Lys Leu Trp Leu Gln Arg Glu Asn Ser Ile Met Asp Leu Ser Ser  
 595 600 605  
 Gln Asn Asp Gly Ser Asp Ser Ile Phe Met Ala Gly Asn Ile Asp Ala  
 610 615 620  
 Lys Arg Glu Phe Glu Arg Ile Ser His Glu Tyr Ser Asn Val Lys Arg  
 625 630 635 640  
 Phe Tyr Asn Pro Leu Asp Glu Ala Leu Leu Arg Val Gln Pro Ile Ile  
 645 650 655

Thr Gly Asn Ala Asn Asn Ile Arg Lys Lys Ser His Asn Asp Ala Gln  
                     660                    665                    670  
 Ser Ile Ala His Ser Ser Ser Asp Thr Asp His Lys Asp Glu Asp Asp  
                     675                    680                    685  
 Leu Leu Phe Thr Asn Tyr Asp Lys Lys Phe Asp Asp Leu Tyr Pro His  
                     690                    695                    700  
 Leu Ala Ser Ala Lys Ile Gln Ala Val Leu Ser Gly Ile Trp Lys Ser  
                     705                    710                    715                    720  
 Glu Ser Tyr Leu Phe Asn Lys Asp Val Asn Pro Ile Asn Lys Asn Arg  
                     725                    730                    735  
 Thr Thr Ser Thr Asn His Ser Val Gly His Thr Ala Ser Gln Asn Ala  
                     740                    745                    750  
 Arg Asn Leu Leu Arg Gly Pro Met Gly Ser Ser Thr Thr Leu His His  
                     755                    760                    765  
 Gln Arg Val Ile Asn Ser Leu Gln Pro Thr Thr Arg Ala Val Asn Arg  
                     770                    775                    780  
 Arg Met Glu Asn Val Gly Tyr Met His Thr Gln Pro Gln Gln Arg  
                     785                    790                    795

<210> 281  
 <211> 1212  
 <212> DNA  
 <213> Candida albicans

<400> 281  
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 tgttcccttcc cttattttctt ttcatagtat ttatttttat ttattttatt attttttttt 120  
 ggattttatt ttattttctt tttaatgcta agaaagtaat tccgcataat taaacgtgtg 180  
 ctggcctcga taggtacctt tagtatacag aagcttacga aaagctcctg caggatggca 240  
 cttctaaaat tcgcgctcaa catggccgta ttgtacatta tatcgttcta tcattatata 300  
 gtatacgccc gcattaccgg acaactccgt ctgcaacgcg ttgaccagaa aactcgaaca 360  
 agagatcgca taaaaaacca aaaggaaacg aattacttgt caaatagtta ttgtaatgga 420  
 tcctctagaa aggcaaacag tagattttatt tccttctttt ctagaaacat cattataact 480  
 aacaatatat aattggaata atggctgggt gggatatttt tgggtgggtg atgttatcac 540  
 cctgttcacg tttttcggat acttagtttt attcaatgtg gtaaaccattg aatgttttca 600  
 gcttaagatc tatttttttt tttctagaag aaattgcgtc ctttactaac tttattttac 660  
 gtacagtcga gagatgtgtt ggcttccctt ggtctgtgga acaaaccatgg taaactactt 720  
 ttcttgggtt tggataatgc cggtaagacc acattgctac atatgttaaa gaacgataga 780  
 ttggcaacct tacaaccaac atggcatcca acttctgaag aactggctat tggtaacatt 840  
 aagtttacaa ctttcgattt ggggtggtcat attcaagctc gtcgtttatg gaaggattat 900  
 ttcccagaag ttaatggtat cgtcttttta gtcgatgctg ctgaccctga aagatttgat 960  
 gaagcacgtg tcgaattaga tgctttattc aacattgccg aattgaagga cgttcctttt 1020  
 gtaattcttg gtaacaagat cgatgctcca aacgccgttt ctgaagcgga gctacgttct 1080  
 gctttaggat tattgaatac cactggctct caaagaattg aagggtcaaa accagttgaa 1140  
 gttttcatgt gttccgttgt tatgagaaat gggtatttag aggcgttcca atgggtatct 1200  
 caatatattt aa 1212

284

<210> 282  
 <211> 190  
 <212> PRT  
 <213> Candida albicans

<400> 282  
 Met Ala Gly Trp Asp Ile Phe Gly Trp Phe Arg Asp Val Leu Ala Ser  
           1                  5                  10                  15  
 Leu Gly Leu Trp Asn Lys His Gly Lys Leu Leu Phe Leu Gly Leu Asp  
                   20                  25                  30  
 Asn Ala Gly Lys Thr Thr Leu Leu His Met Leu Lys Asn Asp Arg Leu  
                   35                  40                  45  
 Ala Thr Leu Gln Pro Thr Trp His Pro Thr Ser Glu Glu Leu Ala Ile  
           50                  55                  60  
 Gly Asn Ile Lys Phe Thr Thr Phe Asp Leu Gly Gly His Ile Gln Ala  
           65                  70                  75                  80  
 Arg Arg Leu Trp Lys Asp Tyr Phe Pro Glu Val Asn Gly Ile Val Phe  
                   85                  90                  95  
 Leu Val Asp Ala Ala Asp Pro Glu Arg Phe Asp Glu Ala Arg Val Glu  
                   100                  105                  110  
 Leu Asp Ala Leu Phe Asn Ile Ala Glu Leu Lys Asp Val Pro Phe Val  
           115                  120                  125  
 Ile Leu Gly Asn Lys Ile Asp Ala Pro Asn Ala Val Ser Glu Ala Glu  
           130                  135                  140  
 Leu Arg Ser Ala Leu Gly Leu Leu Asn Thr Thr Gly Ser Gln Arg Ile  
           145                  150                  155                  160  
 Glu Gly Gln Arg Pro Val Glu Val Phe Met Cys Ser Val Val Met Arg  
                   165                  170                  175  
 Asn Gly Tyr Leu Glu Ala Phe Gln Trp Leu Ser Gln Tyr Ile  
                   180                  185                  190

<210> 283  
 <211> 1025  
 <212> DNA  
 <213> Candida albicans

<400> 283  
 ttctttacaa ttcaccttgc attattgaag gagtgtctatt cttcgttttg ccaccctttt 60  
 gctgttttcc ctcatatcac ataatacccg gagaggctct ttcctgcgac agcgcaacat 120  
 ccaaccatcc taaagggtatg ggtgtactga cgatgcgatt atttcattaa gttctgtctt 180  
 ttttgtataa atgaaaaaag aacggtgaaa tccatagaaa tacagagagc gacgcaaaca 240  
 gcgcgcagac tctacgggta atagactcac atccacgtga ccagtttcca atcgaacttt 300  
 ttcactttgc agggaattat tgtttccacta gcaaaggtag ccacttacc actcagctat 360



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gcgaaagttt cattgtttga tacatcttga tagtaaccgc aggcttcttt cttagttcat 420
atattattgt atttcaacta atattatttt tttttcagt gaaggggaagg tgaaccaaga 480
acatacaaac atagccaaag atgtctgcca aagctcaaaa ccctatgctg gatttgaaga 540
tcgaaaagtt ggtcttaaac atttctgttg gtgaatctgg tgacagattg accagagcct 600
ccaaggtttt agagcaatta tctggtcaaa ctccagttca atccaaggcc agatacactg 660
tcagaacttt cggatatcaga agaaacgaaa aaattgctgt tcacgttacc gtcagaggtc 720
caaaggctga agaaattttg gaaagaggtt tgaagggtcaa ggaataccaa ttgagagaca 780
gaaactttct tgctaccggt aacttcgggt tccggtattga cgaacacatt gacttgggta 840
tcaagtatga cccatccatc ggtattttcg gtatggattt ctatgtcgtc atgaacagac 900
caggtgctag agtcactaga agaaagagat gtaagggtac cgttggtaac tcccacaaga 960
caactaagga agacaccgtc tcttggttca agcaaaagta cgatgctgat gttttggaca 1020
aataa                                     1025

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&lt;210&gt; 284

&lt;211&gt; 174

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 284

```

Met Ser Ala Lys Ala Gln Asn Pro Met Arg Asp Leu Lys Ile Glu Lys
  1              5              10              15

Leu Val Leu Asn Ile Ser Val Gly Glu Ser Gly Asp Arg Leu Thr Arg
          20              25              30

Ala Ser Lys Val Leu Glu Gln Leu Ser Gly Gln Thr Pro Val Gln Ser
  35              40              45

Lys Ala Arg Tyr Thr Val Arg Thr Phe Gly Ile Arg Arg Asn Glu Lys
  50              55              60

Ile Ala Val His Val Thr Val Arg Gly Pro Lys Ala Glu Glu Ile Leu
  65              70              75              80

Glu Arg Gly Leu Lys Val Lys Glu Tyr Gln Leu Arg Asp Arg Asn Phe
          85              90              95

Ser Ala Thr Gly Asn Phe Gly Phe Gly Ile Asp Glu His Ile Asp Leu
          100              105              110

Gly Ile Lys Tyr Asp Pro Ser Ile Gly Ile Phe Gly Met Asp Phe Tyr
          115              120              125

Val Val Met Asn Arg Pro Gly Ala Arg Val Thr Arg Arg Lys Arg Cys
          130              135              140

Lys Gly Thr Val Gly Asn Ser His Lys Thr Thr Lys Glu Asp Thr Val
          145              150              155              160

Ser Trp Phe Lys Gln Lys Tyr Asp Ala Asp Val Leu Asp Lys
          165              170

```

&lt;210&gt; 285

&lt;211&gt; 1229

&lt;212&gt; DNA

<213> *Candida albicans*

&lt;400&gt; 285

```

agagaacgta ttgaagagga gaaaagggag aaaagaggtc aattggaaga acaacatcgt 60
tctgcatcaa atgcttctat ggcttcttta ttgtcagctg cttcaactac agcagcaact 120
aaaaatttga gtgtgggctgg cacaaatcct tctcatacca ctgaaagaat gtttttaaat 180
ttacctttta acaattccct gttcaatgcc ccaccagtag aaattaattt taatgatctt 240
gaagttttgg aattgtacac tcaattagta ttataccgag atgatattac caaatctact 300
tttgaattag ctatatacacc agcaaatttg aatatttctc aacggaaaat catatcaatt 360
ttatgtaatt atttgaattt attagaattg ttgataatg gggtgataat aattagaaga 420
aaaccaggat acattgctca gtgtataact caacaatcta ttattcctaa ttctcaacag 480
gtgtctgggc caactcaccc gcaacaacat caacagaatc aacttcaaca acagcaacag 540
caacaacatc aacatcaaca tccttcacat tcatcatcga tgatgaacct tcatcaattg 600
gggtgtacat tagctgttcc agcgcaccct gaattattaa gatccaatc gcaatcagca 660
ttaccgttgc caagattgag acagcaaacc tctacacca ttcaacaaaa tcaacaagtt 720
cagcaccaaa atcaaccacc acaacaacaa cagcaacagc atgttcaacc acaatataat 780
tattacaatc agcaatctat tcaaagccaa ccacattctg cgagacctta ttctcaatca 840
tataatatcc atcaacaaca acagcaacag cagcaacaac aagctcaaca acaagctcaa 900
caacaacaac aacaacaatt acaatatcaa cagggacacc agtcacaagt ttcaacacct 960
acattgaatt cttctagtgc tgctgcatta cttagatcaa gtagcagtag atcatttgtt 1020
gatgtgagat ccacacctcc cacaagtagt tttgctcaac agcaacaaca acaacaacaa 1080
caacagcaac agcgcgcaact aacttcatca atccatgatt ctccaacacc acatcatcat 1140
ttaccacttc aacagcagcc accacaacca aatcattacc tatccaatta ccatcagggg 1200
gttggatctc aaccaaaaac tccattggc 1229

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&lt;210&gt; 286

&lt;211&gt; 409

&lt;212&gt; PRT

<213> *Candida albicans*

&lt;400&gt; 286

```

Arg Glu Arg Ile Glu Glu Lys Arg Glu Lys Arg Gly Gln Leu Glu
 1             5             10             15

Glu Gln His Arg Ser Ala Ser Asn Ala Ser Met Ala Ser Leu Leu Ser
          20             25             30

Ala Ala Ser Thr Thr Ala Ala Thr Lys Asn Leu Ser Val Ala Gly Thr
 35             40             45

Asn Pro Ser His Thr Thr Glu Arg Met Phe Leu Asn Leu Pro Phe Asn
 50             55             60

Asn Ser Ser Phe Asn Ala Pro Pro Val Glu Ile Asn Phe Asn Asp Leu
 65             70             75             80

Glu Val Leu Glu Leu Tyr Thr Gln Leu Val Leu Tyr Arg Asp Asp Ile
          85             90             95

Thr Lys Ser Thr Phe Glu Leu Ala Ile Ser Pro Ala Asn Leu Asn Ile
 100             105             110

Ser Gln Arg Lys Ile Ile Ser Ile Leu Cys Asn Tyr Leu Asn Leu Leu
 115             120             125

```

287

Glu Leu Phe Asp Asn Gly Leu Ile Ile Ile Arg Arg Lys Pro Gly Tyr  
 130 135 140  
 Ile Ala Gln Cys Ile Thr Gln Gln Ser Ile Ile Pro Asn Ser Gln Gln  
 145 150 155 160  
 Val Ser Gly Pro Thr His Pro Gln Gln His Gln Gln Asn Gln Leu Gln  
 165 170 175  
 Gln Gln Gln Gln Gln Gln His Gln His Gln His Pro Ser His Ser Ser  
 180 185 190  
 Ser Met Met Asn Leu His Gln Leu Gly Gly Thr Leu Ala Val Pro Ala  
 195 200 205  
 His Pro Glu Leu Leu Arg Ser Gln Ser Gln Ser Ala Leu Pro Leu Pro  
 210 215 220  
 Arg Leu Arg Gln Gln Thr Ser Thr Pro Ile Gln Gln Asn Gln Gln Val  
 225 230 235 240  
 Gln His Gln Asn Gln Pro Pro Gln Gln Gln Gln Gln Gln His Val Gln  
 245 250 255  
 Pro Gln Tyr Asn Tyr Tyr Asn Gln Gln Ser Ile Gln Ser Gln Pro His  
 260 265 270  
 Ser Ala Arg Pro Tyr Ser Gln Ser Tyr Asn Ile Tyr Gln Gln Gln Gln  
 275 280 285  
 Gln Gln Gln Gln Gln Gln Ala Gln Gln Gln Ala Gln Gln Gln Gln Gln  
 290 295 300  
 Gln Gln Leu Gln Tyr Gln Gln Gly His Gln Ser Gln Val Ser Thr Pro  
 305 310 315 320  
 Thr Leu Asn Ser Ser Ser Ala Ala Ala Leu Leu Arg Ser Ser Ser Ser  
 325 330 335  
 Arg Ser Phe Val Asp Val Arg Ser Thr Pro Pro Thr Ser Ser Phe Ala  
 340 345 350  
 Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Pro Pro Leu Thr  
 355 360 365  
 Ser Ser Ile His Asp Ser Pro Thr Pro His His His Leu Pro Leu Gln  
 370 375 380  
 Gln Gln Pro Pro Gln Pro Asn His Tyr Leu Ser Asn Tyr His Gln Gly  
 385 390 395 400  
 Val Gly Ser Gln Pro Lys Thr Pro Leu  
 405

&lt;210&gt; 287

&lt;211&gt; 2153

&lt;212&gt; DNA

<213> *Candida albicans*

&lt;400&gt; 287

```

ataaacaaaa aagaagcagc aactgtgggc aacaacaaca acaacaacaa caaaaaaaaaa 60
aaatttctgg aaaatcaaaa ttgaactcca accagcagcg gcggcggcga cagaaaaata 120
tattaacaga atactttttt gtattcaact ctctaactct ttctattttt tttttttttc 180
tatatacact gttaaataca tcaacaatag caggatatcc attcatatac aaatagataa 240
actgtttaat taattaatta actgatttga tttgggaaaa aacaaaatttt atatttggag 300
aattgaattt caatcatttt aacaaattca aagctttaat tcccacctat caaatttcat 360
tattattttg ttttcattat tttttttttc cctttctttc tttctttctt tcttttttgg 420
aacaaagtaa tagccgataa aataaataat tcacatagcc caattcatat tacattgact 480
tttgacaaga ggtatatata atggatttta gaaatttatc aactacaccg aatcaaattg 540
gcactgtaat gcaacgtcgt ccctctctat catcattatc gtcagcctcg ggctattcct 600
cttccaatta tgggtggaaat cctacaccca atcccaacaa ttccaatacc aataacaata 660
gtagtggcaa tagtaataac aacactcatg gcaataaacac tcccaaatat tcaactcaaa 720
gattgacaaa taataggaat ttacaatcct tgtggataaa ccaaccatct attgctcctt 780
ctaattgttg tccttgggtg gaacagcaac aacaacaac ccttgatctg ttggaaaata 840
atactaaaac agactccagt aatgatgctt ctgctactaa taataataat gttaattgta 900
atgttaatgc caatgccaat gttaatgcca atgccaatat ccatgcccaa acccatgtca 960
acacaaatgt taatgcaaac acaacagcaa ctagtattaa tgcttccacg attttaaata 1020
ctacaccaag tattaatgac actaatgata atgccaacaa aattaatgtt tccatgatta 1080
gtaataacaa taacaataac agtaacaata ataacaacaa cactaacaat agtagtacag 1140
gaagttctaa cattgcaaac atgcttcctt ctgtttctaa tgcaacgaca atgaataaca 1200
gtaatagtat caatagcacc acaacaata ctacaattaa cgaagctgat gatgacgagt 1260
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aatgcttcc ggcacaagaa agagaacgta ttgaaagaga gaaaaggagg aaaagagggtc 1560
aattggaaga acaacatcgt tctgcatcaa atgcttcttt ggcttcttta ttgtcagctg 1620
cttcaactac agcagcaact aaaaatttga gtgtggctgg cacaaatcct tctcatacca 1680
ctgaaagaat gtttttaaat ttacctttta acaattccct gttcaatgcc ccaccagtag 1740
aaattaattt taatgatctt gaagtttttg aattgtacac tcaattagta ttataccgag 1800
atgatattac caaatctact tttgaattag ctatattcacc cagcatattt gaataattct 1860
caacggaaaa tcatatcaat ttatgtaatt atttgaattt attagaattg tttgataatg 1920
ggttgctact aattagaaaa aaaccaggat ccattgctca gtgtataact caaaaatcta 1980
ttattcctaa ttctcaacag gtgtctgggc caactcacc gcaccaccat caaaagaatc 2040
aacttcacca acagcaacag caacacacat caacatcaac atccttaaca ttcattcatc 2100
atgatgaacc ttcattcaatt ggtgtgtaca ttagctgttc cagcgacca tga 2153

```

&lt;210&gt; 288

&lt;211&gt; 550

&lt;212&gt; PRT

<213> *Candida albicans*

&lt;400&gt; 288

```

Met Asp Phe Arg Asn Leu Ser Thr Thr Pro Asn Gln Met Gly Thr Val
 1             5             10            15

Met Gln Arg Arg Pro Ser Leu Ser Ser Leu Ser Ser Ala Ser Gly Tyr
 20             25            30

Ser Ser Ser Asn Tyr Gly Gly Asn Pro Thr Pro Asn Pro Asn Asn Ser
 35             40            45

```

Asn Thr Asn Asn Asn Ser Ser Gly Asn Ser Asn Asn Asn Thr His Gly  
 50 55 60  
 Asn Asn Thr Pro Lys Leu Ser Thr Gln Arg Leu Thr Asn Asn Arg Asn  
 65 70 75 80  
 Leu Gln Ser Leu Trp Ile Asn Gln Pro Ser Ile Ala Pro Ser Asn Val  
 85 90 95  
 Val Pro Trp Val Glu Gln Gln Gln Gln Thr Leu Asp Ser Leu Glu  
 100 105 110  
 Asn Asn Thr Lys Thr Asp Ser Ser Asn Asp Ala Ser Ala Thr Asn Asn  
 115 120 125  
 Asn Asn Val Asn Val Asn Val Asn Ala Asn Ala Asn Val Asn Ala Asn  
 130 135 140  
 Ala Asn Ile His Ala Gln Thr His Val Asn Thr Asn Val Asn Ala Asn  
 145 150 155 160  
 Thr Thr Ala Thr Ser Ile Asn Ala Ser Thr Ile Leu Asn Thr Thr Pro  
 165 170 175  
 Ser Ile Asn Asp Thr Asn Asp Asn Ala Lys Lys Ile Asn Val Ser Met  
 180 185 190  
 Ile Ser Asn Asn Asn Asn Asn Asn Ser Asn Asn Asn Asn Asn Thr  
 195 200 205  
 Asn Asn Ser Ser Thr Gly Ser Ser Asn Ile Ala Asn Met Leu Pro Ser  
 210 215 220  
 Val Ser Asn Ala Thr Thr Met Asn Asn Ser Asn Ser Ile Asn Ser Thr  
 225 230 235 240  
 Thr Asn Asn Thr Thr Ile Asn Glu Ala Asp Asp Asp Glu Leu Ile Pro  
 245 250 255  
 Thr Ala Ile Val Ile Lys Asn Ile Pro Phe Ala Ile Lys Lys Glu Gln  
 260 265 270  
 Leu Leu Asp Val Met Thr Lys Leu Asn Leu Pro Leu Pro Tyr Ala Phe  
 275 280 285  
 Asn Tyr His Phe Asp Asn Gly Val Phe Arg Gly Leu Ala Phe Ala Asn  
 290 295 300  
 Phe Thr Ser Thr Asp Glu Thr Ser Ala Val Val Asn Gln Leu Asn Gly  
 305 310 315 320  
 Arg Glu Ile Gly Gly Arg Lys Leu Arg Val Glu Tyr Lys Lys Met Leu  
 325 330 335  
 Pro Ala Gln Glu Arg Glu Arg Ile Glu Arg Glu Lys Arg Glu Lys Arg  
 340 345 350

Gly Gln Leu Glu Glu Gln His Arg Ser Ala Ser Asn Ala Ser Leu Ala  
 355 360 365  
 Ser Leu Leu Ser Ala Ala Ser Thr Thr Ala Ala Thr Lys Asn Leu Ser  
 370 375 380  
 Val Ala Gly Thr Asn Pro Ser His Thr Thr Glu Arg Met Phe Leu Asn  
 385 390 395 400  
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 405 410 415  
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 420 425 430  
 Arg Asp Asp Ile Thr Lys Ser Thr Phe Glu Leu Ala Ile Ser Pro Ser  
 435 440 445  
 Ile Phe Glu Tyr Phe Ser Thr Glu Asn His Ile Asn Leu Cys Asn Tyr  
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 Leu Asn Leu Leu Glu Leu Phe Asp Asn Gly Leu Leu Leu Ile Arg Lys  
 465 470 475 480  
 Lys Pro Gly Ser Ile Ala Gln Cys Ile Thr Gln Lys Ser Ile Ile Pro  
 485 490 495  
 Asn Ser Gln Gln Val Ser Gly Pro Thr His Pro His His His Gln Lys  
 500 505 510  
 Asn Gln Leu His Gln Gln Gln Gln Gln His Thr Ser Thr Ser Thr Ser  
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 Leu Thr Phe Ile Ile Asp Asp Glu Pro Ser Ser Ile Gly Trp Tyr Ile  
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 Ser Cys Ser Ser Ala Pro  
 545 550

&lt;210&gt; 289

&lt;211&gt; 3254

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 289

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&lt;210&gt; 290

&lt;211&gt; 917

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 290

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 Thr His Val Ile Gln Ala Leu Ile Ile Leu Ser Ile Trp Pro Leu Pro  
 340 345 350  
 Asn Glu Lys Val Leu Asp Asp Cys Ser Tyr Arg Phe Val Gly Leu Ala  
 355 360 365  
 Lys Asn Leu Ser Leu Gln Leu Gly Leu His Arg Gly Gly Glu Phe Ile  
 370 375 380  
 Gln Glu Phe Ser Arg Asn Gln Val Ser Leu Gly Pro Asp Ala Glu Arg  
 385 390 395 400  
 Trp Arg Thr Arg Ser Trp Leu Ala Val Phe Phe Cys Glu Gln Phe Trp  
 405 410 415  
 Ser Ser Leu Leu Gly Leu Pro Pro Ser Ile Asn Thr Thr Asp Tyr Leu  
 420 425 430  
 Leu Glu Asn Ala Arg Val Asp Lys Ser Leu Pro Lys Asn Phe Arg Cys  
 435 440 445  
 Leu Ile Ser Leu Ser Ile Phe Gln Cys Lys Leu Val Asn Ile Met Gly  
 450 455 460  
 Ile Ser Val Thr Arg Pro Asp Gly Leu Leu Glu Pro Ser Asn Arg Ala  
 465 470 475 480  
 Gly Ser Leu Ser Leu Leu Asp Arg Glu Leu Glu Arg Leu Arg Phe Lys  
 485 490 495  
 Leu Gln Phe Glu Glu Gly Gly Pro Ile Glu Val Tyr Tyr Leu Tyr Ile  
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 Lys Leu Met Ile Cys Cys Phe Ala Phe Leu Pro Gly Thr Pro Ile Glu  
 515 520 525  
 Asp Gln Val Lys Tyr Val Ser Phe Ala Tyr Leu Ser Ala Thr Arg Ile  
 530 535 540  
 Val Thr Ile Val Ser Lys Met Val Asn Asp Ile Ser Leu Ile Glu Leu  
 545 550 555 560  
 Pro Ile Tyr Ile Arg Gln Ala Val Thr Tyr Ser Val Phe Met Leu Phe  
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 Lys Leu His Leu Ser Arg Tyr Leu Ile Asp Lys Tyr Val Asp Ser Ala  
 580 585 590  
 Arg Gln Ser Ile Val Thr Val His Arg Leu Phe Arg Asn Thr Leu Ser  
 595 600 605  
 Ser Trp Lys Asp Leu Gln Asn Asp Ile Ser Arg Thr Ala Lys Val Leu  
 610 615 620

Glu Asn Leu Asn Met Val Leu Tyr Asn Tyr Pro Glu Ile Phe Leu Asn  
 625 630 635 640  
 Asp Ser Glu Asn Glu Asp Ser Ser Ile Ile Thr Arg Met Arg Ser His  
 645 650 655  
 Leu Thr Ala Ser Leu Phe Tyr Asp Leu Val Trp Cys Val His Glu Ala  
 660 665 670  
 Arg Arg Arg Ser Val Leu Asp Lys Gly Lys Arg Gln Ala Gln Pro Asn  
 675 680 685  
 Lys Lys Ile Leu Pro Leu Pro Phe Tyr Asn Gln Ile Thr Lys Asp Asp  
 690 695 700  
 Phe Lys Thr Ile Thr Thr Thr Ser Pro Asn Gly Thr Thr Ile Thr Thr  
 705 710 715 720  
 Leu Val Pro Thr Asp Gln Ala Met Asn Gln Ala Lys Ser Lys Ser Phe  
 725 730 735  
 Asp Ser Ser Lys Pro Leu Glu Ile Asn Gly Ile Pro Leu Pro Met Leu  
 740 745 750  
 Glu Ala Thr Gly Ser Thr Arg Glu Val Leu Asp Ser Leu Pro Ser Gln  
 755 760 765  
 Ser Leu Pro Ser Gln Ala Pro Thr Leu Gln Gln Tyr Pro Met Gln Gln  
 770 775 780  
 Asp Gln Gln Gln Gln Glu Pro Ser Gln Gln Gln Gln Gln Lys His Ser  
 785 790 795 800  
 Gln Gln Ser Gln Gln Tyr Gln Gln Gln Gln Gln Ser Asn Gln Gln Gln  
 805 810 815  
 Pro His Leu Gln His Gln Arg Gln Phe Gln Gln Ser Pro Pro Pro Gln  
 820 825 830  
 Phe Ser Met Ile Ser Ser Thr Pro Pro Leu Gln Gln Pro Pro Phe Ile  
 835 840 845  
 Leu Ala Asn Ser Pro Leu Pro Gln Thr Tyr Leu Pro Lys Ile Asp Glu  
 850 855 860  
 Met Asn Met Ser Pro Glu Val Lys Gln Glu Asn Ser Val Ala Pro Phe  
 865 870 875 880  
 Ala Ser Gln Ile Thr Asn Phe Phe Asp Gln Gln Thr Ser Gly Trp Phe  
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 915

295

<210> 291  
 <211> 908  
 <212> DNA  
 <213> Candida albicans

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<210> 292  
 <211> 135  
 <212> PRT  
 <213> Candida albicans

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 Cys Glu Lys Val Glu Asn Ser Asp Ile Pro Glu Ile Asp Lys Arg Lys  
 35 40 45  
 Tyr Leu Val Pro Val Asp Leu Thr Val Gly Gln Phe Val Tyr Val Ile  
 50 55 60  
 Arg Lys Arg Ile Lys Leu Pro Ser Glu Lys Ala Ile Phe Ile Phe Val  
 65 70 75 80  
 Asn Asp Ile Leu Pro Pro Thr Ala Ala Leu Ile Ser Thr Ile Tyr Glu  
 85 90 95  
 Glu His Lys Asp Glu Asp Gly Phe Leu Tyr Val Leu Tyr Ser Gly Glu  
 100 105 110  
 Asn Thr Phe Gly Glu Lys Leu Ala Ile Asp Ile Ser Ser Leu Asp Phe  
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130

135

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 <212> DNA  
 <213> *Candida albicans*

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<210> 294
<211> 796
<212> PRT
<213> Candida albicans
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Val	Gln	Lys	Val	Val	Lys	Arg	Lys	Leu	Pro	Thr	Thr	Thr	Asn	Pro	Lys	
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Pro	Ala	Lys	Ile	Leu	Thr	Thr	Asp	Pro	Gly	Ser	Thr	Lys	Tyr	Val	Ile	
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Gln	Trp	Arg	Lys	Lys	Thr	Ser	Lys	Lys	Asn	Lys	Thr	Trp	Asp	Gly	Asp	
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Gly	Tyr	Ala	Val	Ile	Lys	Gln	Leu	Glu	Asn	Gly	Ala	Cys	Glu	Ile	Ser	
				85					90					95		
Ile	Lys	Asn	Ser	Asp	Gly	Lys	Pro	Met	Gly	Lys	Arg	Val	Phe	Thr	Ala	
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Thr	Pro	Asn	Leu	Asp	Asp	Val	Ile	Ser	Val	Gly	Pro	Tyr	Glu	Leu	Glu	
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Leu	Asp	Glu	Lys	Val	Gly	Ser	Asn	Ser	Thr	Pro	Gln	Thr	Val	Thr	Arg	
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				165					170					175		
Pro	Lys	Ala	Lys	Asp	Tyr	Val	Lys	Val	Asn	Ile	Asp	Pro	His	Leu	Ala	
			180					185					190			
Lys	Val	Leu	Arg	Pro	His	Gln	Val	Glu	Gly	Val	Lys	Phe	Met	Tyr	Glu	
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Cys	Leu	Met	Gly	Tyr	Arg	Gly	Phe	Gly	Gly	His	Gly	Cys	Leu	Leu	Ala	
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Asp	Glu	Met	Gly	Leu	Gly	Lys	Thr	Leu	Met	Thr	Ile	Thr	Thr	Ile	Trp	
225					230					235					240	
Thr	Leu	Leu	Lys	Gln	Asn	Pro	Phe	Met	Glu	Lys	Gly	Ala	Val	Val	Asn	
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Ser Arg Leu Asp Gly Ser Thr Pro Asn Asn Val Arg Ser Lys Leu Val  
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 580 585 590  
 Lys Ser Gly Gly Met Gly Ile Asn Leu Val Gly Ala Ser Arg Leu Ile  
 595 600 605  
 Leu Phe Asp Asn Asp Trp Asn Pro Ala Thr Asp Leu Gln Ser Met Ser  
 610 615 620  
 Arg Ile His Arg Asp Gly Gln Leu Lys Pro Cys Phe Ile Tyr Arg Leu  
 625 630 635 640  
 Phe Thr Thr Gly Cys Ile Asp Glu Lys Ile Phe Gln Arg Gln Leu Val  
 645 650 655  
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 675 680 685  
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 Gly Asp Gly Ser Met Leu Ser Gln Pro Thr Ile Glu Glu Ser Glu Pro  
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 Pro Pro Lys Gln Ala Trp Val Thr Ala Leu Glu Leu Lys Lys Lys Ile  
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 Asp Asp Gly Glu Ala Leu Lys Arg Thr Ala Val Lys Phe Ala Leu Asn  
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 Asp Tyr Arg His Tyr Asn Pro Glu Val Asn Arg Asn Leu Asp Phe Asp  
 755 760 765  
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 785 790 795

&lt;210&gt; 295

&lt;211&gt; 2643

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 295

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aaaaagattt aattaaaaat tatgaatttg gtgtcacggg taaagatgac gtgttagctt 780
ctaaacttag aattatttat caatacttaa cttatccaca atcagttggg ggatgtggta 840
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ttaatgaaac cacttttagt gaagatttaa aaattaatgt tactcaacca aatttatcaa 960
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catcatggca tagaagagaa caacatttgg ttaatgtatg ggggtgttcaa aatagtcatt 1200
taattgaaga acataattcc gaattggcta aagtcaatga aagatatgaa gaaaaatcaa 1260
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aagttataca attggtattg aaatatattc tcccattggg tttaagattt gtatttaatt 1860
ttattgaaac gaaaattcag aagaaacctc aattacaaac taaagatgat aacctgatg 1920
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atgatttttag aggattagtt ttacaatttg gatatttgat aatgtttggt ccagtttggc 2040
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cggcatttta cgtcatggtt actgctccac caaaatctat ggggtcaattt gcccttgata 2280
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aaattgcttc taccgaagat gcttatctga cttctgcaga aaaatctact actactgcta 2640
ctt 2643

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&lt;210&gt; 296

&lt;211&gt; 714

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 296

Met Thr Leu Pro Ile Gln Asp Leu Glu Pro Asp Tyr Tyr Ile Ser Val  
1 5 10 15

Asn Tyr Pro Thr Thr Asp Asn Gly Ser Pro Thr Pro Gln Ala Glu Lys  
20 25 30

Ser Leu Lys Thr Leu Ile Asp Leu Leu Tyr Asp Lys Gly Phe Ala Ala



301

35					40					45						
Gln	Ile	Arg	Pro	Gly	Asp	Leu	Asp	His	Leu	Leu	Val	Phe	Val	Lys	Leu	
50					55					60						
Ser	Ser	Tyr	Lys	Phe	Ser	Glu	Glu	Ala	Glu	Lys	Asp	Leu	Ile	Lys	Asn	
65					70					75					80	
Tyr	Glu	Phe	Gly	Val	Thr	Gly	Lys	Asp	Asp	Val	Leu	Ala	Ser	Lys	Leu	
85					90					95						
Arg	Ile	Ile	Tyr	Gln	Tyr	Leu	Thr	Tyr	Pro	Gln	Ser	Val	Gly	Gly	Cys	
100					105					110						
Gly	Ile	Thr	Pro	Asn	Ser	Gly	Asp	Trp	Lys	Phe	Val	Thr	Ser	Ile	Val	
115					120					125						
Pro	Ile	Thr	Asn	Ala	Phe	Asn	Glu	Thr	Thr	Leu	Val	Glu	Asp	Leu	Lys	
130					135					140						
Ile	Asn	Val	Thr	Gln	Pro	Asn	Leu	Ser	Ile	Ala	Thr	Ile	Lys	Lys	Thr	
145					150					155					160	
Tyr	Gly	Val	Glu	Val	Ala	Leu	Tyr	Phe	Glu	Tyr	Ile	Lys	His	Tyr	Thr	
165					170					175						
Phe	Trp	Leu	Leu	Leu	Leu	Ser	Ile	Ile	Gly	Leu	Val	Ser	His	Phe	Arg	
180					185					190						
Lys	Asp	Lys	Arg	Phe	Ser	Leu	Thr	Phe	Ala	Phe	Ile	Asn	Leu	Leu	Trp	
195					200					205						
Gly	Val	Leu	Phe	Leu	Ala	Ser	Trp	His	Arg	Arg	Glu	Gln	His	Leu	Val	
210					215					220						
Asn	Val	Trp	Gly	Val	Gln	Asn	Ser	His	Leu	Ile	Glu	Glu	His	Asn	Ser	
225					230					235					240	
Glu	Leu	Ala	Lys	Val	Asn	Glu	Arg	Tyr	Glu	Glu	Lys	Ser	Thr	Tyr	Phe	
245					250					255						
His	Ala	Asn	Asn	Thr	Asn	Gly	Phe	Arg	Phe	Leu	Lys	Gln	Leu	Ala	Phe	
260					265					270						
Ile	Pro	Ile	Ala	Leu	Val	Phe	Val	Gly	Val	Leu	Ile	Ser	Tyr	Gln	Leu	
275					280					285						
Ser	Cys	Phe	Cys	Ile	Glu	Ile	Phe	Leu	Thr	Asp	Ile	Tyr	Asp	Gly	Pro	
290					295					300						
Gly	Lys	Ser	Leu	Leu	Thr	Leu	Leu	Pro	Thr	Val	Leu	Ile	Ser	Val	Phe	
305					310					315					320	
Val	Pro	Ile	Leu	Thr	Ile	Val	Tyr	Asn	Ala	Val	Thr	Asp	Ile	Ile	Ile	
325					330					335						
Lys	Trp	Glu	Asn	His	Asp	Asn	Gln	Tyr	Ser	Lys	Asn	Asn	Ser	Ile	Leu	

340					345					350					
Val	Lys	Thr	Phe	Val	Leu	Asn	Phe	Leu	Thr	Gly	Tyr	Val	Pro	Leu	Ile
	355						360					365			
Ile	Thr	Ser	Phe	Ile	Tyr	Leu	Pro	Phe	Ala	His	Leu	Val	Gln	Pro	His
	370					375					380				
Leu	Gly	Asp	Ile	Lys	Thr	Thr	Ile	Ala	Thr	Tyr	Ala	Gly	Glu	Asn	Arg
385						390					395				400
Phe	Tyr	Thr	Lys	Tyr	Leu	Leu	Lys	Leu	Lys	Ser	Gln	Glu	Glu	Phe	Lys
			405						410					415	
Ile	Asn	Gln	Gly	Arg	Leu	Asp	Ala	Gln	Phe	Phe	Tyr	Phe	Ile	Val	Thr
			420					425					430		
Asn	Gln	Val	Ile	Gln	Leu	Val	Leu	Lys	Tyr	Ile	Leu	Pro	Leu	Gly	Leu
		435					440					445			
Arg	Phe	Val	Phe	Asn	Phe	Ile	Glu	Thr	Lys	Ile	Gln	Lys	Lys	Pro	Gln
	450					455					460				
Leu	Gln	Thr	Lys	Asp	Asp	Asn	Pro	Asp	Glu	Ser	Ile	Trp	Leu	His	Asn
465						470					475				480
Val	Arg	Leu	Ser	Leu	Lys	Leu	Pro	Glu	Tyr	Asn	Val	Asp	Asp	Asp	Phe
				485					490					495	
Arg	Gly	Leu	Val	Leu	Gln	Phe	Gly	Tyr	Leu	Ile	Met	Phe	Gly	Pro	Val
		500						505					510		
Trp	Pro	Leu	Ala	Pro	Leu	Val	Cys	Ile	Ile	Phe	Asn	Leu	Ile	Phe	Phe
		515					520					525			
Lys	Leu	Asp	Asn	Phe	Lys	Leu	Leu	Asn	Gly	Lys	Tyr	Phe	Lys	Pro	Pro
	530					535					540				
Val	Pro	Arg	Arg	Val	Asp	Ser	Ile	His	Pro	Trp	Asn	Leu	Ala	Leu	Phe
545						550					555				560
Leu	Leu	Ala	Trp	Ile	Gly	Ser	Ile	Ile	Ser	Pro	Val	Val	Thr	Ala	Phe
			565						570					575	
Tyr	Arg	His	Gly	Thr	Ala	Pro	Pro	Lys	Ser	Met	Gly	Gln	Phe	Ala	Leu
			580					585					590		
Asp	Lys	Ala	Ser	Val	His	Val	Ser	Ser	Ser	Val	Phe	Leu	Val	Leu	Leu
		595					600					605			
Met	Phe	Val	Ser	Glu	His	Gly	Phe	Leu	Ile	Leu	Ser	Tyr	Leu	Leu	Phe
	610					615					620				
Glu	Phe	Ser	Ser	Leu	Phe	Lys	Ser	Gln	Val	Glu	Trp	Glu	Asn	Asp	Phe
625						630					635				640
Val	Asp	Asn	Asp	Ile	Lys	Leu	Arg	His	Asp	Tyr	Tyr	Ser	Gly	Lys	Val

303

645	650	655
Lys Pro Thr Tyr Lys Val His Ser Asp Glu Leu Trp Glu Lys Phe Thr		
660	665	670
Pro Gln Ser Thr Leu Asn Phe Thr Gly Pro Lys Pro Thr Ala Glu Thr		
675	680	685
Asp Asp Lys Val Glu Lys Ile Ala Ser Thr Glu Asp Ala Tyr Ser Thr		
690	695	700
Ser Ala Glu Lys Ser Thr Thr Thr Ala Thr		
705	710	

&lt;210&gt; 297

&lt;211&gt; 1784

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 297

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cggtaattat gtcacaaaaa caaacaatca acatattaaa tcggttatccc aactttgtca 60
gttttactaa cacctttttat tttgtgttat acaaattgca caatcaatta ctataacttt 120
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tagctcaata actgcatttc gtacaataat gttaattcaa ttctaaattc cgatgaaccg 240
aacacacaaa aaacatccag ttctggagag atttttcaaa acttctatta taaatagaac 300
cctataagtc cataataatt caattgaagg attattttct tttccctttt ctgattactt 360
tcaccaatth tcttctctcc aaaaaaaaca ccttcttcat ggtttctggt tctaaattaa 420
tcaataacgg gttgttatta actagtcaaa gtgttttcca agatgttgct actccgcaac 480
aagcttctgt gcaacaatac aatatactca attttcttgg cggtagtgcc ccttatattc 540
aaagaaaagg atattgggatt tctactgata tccctgctgg ttgtgaaatt gctcaaattc 600
aattgtattc aagacatggg gaaagatacc caagtaaaag taatggtaaa agtttagaag 660
caatttatgc taaatttgaa aactacaaag gtacttttaa aggtgatttg tcattcttaa 720
atgattacac ttattttgtc aaagaccaga gtaactatgc taaggaaact agcccaaaaa 780
attctgaagg aacctatgcc ggtacaacca atgccttgcg tcatgggtgct gcgttttagag 840
ccaaatatgg atccttatac aaggaaaact caactttacc aatcttcaca tccaattcta 900
acagagtaca tgaaacttca aagtatttgc ctgagggtt tttagggtgat gattatgaag 960
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ttgactttgt taaacaatgt ggtgtcaata gtacctacc atctgagctt actttctact 1740
gggattataa aaatgtcact tacagtgtct ctttagaatt gtaa 1784

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&lt;210&gt; 298

&lt;211&gt; 461

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 298

Met Val Ser Val Ser Lys Leu Ile Asn Asn Gly Leu Leu Leu Thr Ser  
 1 5 10 15  
 Gln Ser Val Phe Gln Asp Val Ala Thr Pro Gln Gln Ala Ser Val Gln  
 20 25 30  
 Gln Tyr Asn Ile Leu Asn Phe Leu Gly Gly Ser Ala Pro Tyr Ile Gln  
 35 40 45  
 Arg Asn Gly Tyr Gly Ile Ser Thr Asp Ile Pro Ala Gly Cys Glu Ile  
 50 55 60  
 Ala Gln Ile Gln Leu Tyr Ser Arg His Gly Glu Arg Tyr Pro Ser Lys  
 65 70 75 80  
 Ser Asn Gly Lys Ser Leu Glu Ala Ile Tyr Ala Lys Phe Glu Asn Tyr  
 85 90 95  
 Lys Gly Thr Phe Lys Gly Asp Leu Ser Phe Leu Asn Asp Tyr Thr Tyr  
 100 105 110  
 Phe Val Lys Asp Gln Ser Asn Tyr Ala Lys Glu Thr Ser Pro Lys Asn  
 115 120 125  
 Ser Glu Gly Thr Tyr Ala Gly Thr Thr Asn Ala Leu Arg His Gly Ala  
 130 135 140  
 Ala Phe Arg Ala Lys Tyr Gly Ser Leu Tyr Lys Glu Asn Ser Thr Leu  
 145 150 155 160  
 Pro Ile Phe Thr Ser Asn Ser Asn Arg Val His Glu Thr Ser Lys Tyr  
 165 170 175  
 Phe Ala Arg Gly Phe Leu Gly Asp Asp Tyr Glu Glu Gly Lys Thr Val  
 180 185 190  
 Lys Phe Asn Ile Ile Ser Glu Asp Ala Asp Leu Gly Ala Asn Ser Leu  
 195 200 205  
 Thr Pro Arg Ser Ala Cys Ser Lys Asn Lys Glu Ser Ser Ser Ser Thr  
 210 215 220  
 Ala Lys Lys Tyr Asn Thr Thr Tyr Leu Asn Ala Ile Ala Glu Arg Leu  
 225 230 235 240  
 Val Lys Pro Asn Pro Gly Leu Asn Leu Thr Thr Ser Asp Val Asn Asn  
 245 250 255  
 Leu Phe Ser Trp Cys Ala Tyr Glu Ile Asn Val Arg Gly Ser Ser Pro  
 260 265 270  
 Phe Cys Asp Leu Phe Thr Asn Glu Glu Phe Ile Lys Asn Ser Tyr Gly  
 275 280 285

305

Asn Asp Leu Ser Lys Tyr Tyr Ser Asn Gly Ala Gly Asn Asn Tyr Thr  
 290 295 300  
 Arg Ile Ile Gly Ser Val Ile Leu Asn Ser Ser Leu Glu Leu Leu Lys  
 305 310 315 320  
 Asp Thr Lys Asn Ser Asn Gln Val Trp Leu Ser Phe Ala His Asp Thr  
 325 330 335  
 Asp Leu Glu Ile Phe His Ser Ala Leu Gly Leu Leu Glu Pro Ala Glu  
 340 345 350  
 Asp Leu Pro Thr Ser Tyr Ile Pro Phe Pro Asn Pro Tyr Val His Ser  
 355 360 365  
 Ser Ile Val Pro Gln Gly Ala Arg Ile Tyr Thr Glu Lys Leu Gln Cys  
 370 375 380  
 Gly Asn Asp Ala Tyr Val Arg Tyr Ile Ile Asn Asp Ala Val Val Pro  
 385 390 395 400  
 Ile Pro Lys Cys Ala Thr Gly Pro Gly Phe Ser Cys Lys Leu Asp Asp  
 405 410 415  
 Phe Glu Asn Phe Val Lys Glu Arg Ile Gly Asp Val Asp Phe Val Lys  
 420 425 430  
 Gln Cys Gly Val Asn Ser Thr Tyr Pro Ser Glu Leu Thr Phe Tyr Trp  
 435 440 445  
 Asp Tyr Lys Asn Val Thr Tyr Ser Ala Pro Leu Glu Leu  
 450 455 460

&lt;210&gt; 299

&lt;211&gt; 1871

&lt;212&gt; DNA

<213> *Candida albicans*

&lt;400&gt; 299

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gagttttatg ggattgggtt tttcaattaa agactcttcg tgataatgca ataccaaaac 60
caaaatztat ttaacgatgc aataattatt tcaatgtgag ctatccatga atcagtgaga 120
atctttatta tggaagaaat tgggtcaaaat ttgacaatgt ttagtaactt tataatcttg 180
tggtgggatg gtgccacaaa tggagattgt tgagtgtaca tgaaaaatac gtagttaaat 240
tttgtttctt gtttttatta ttttagccact tttttatccg attcttcata ttaccttttg 300
taaagtgata agattaatat catattagta aaacaccccc aatgatgaat gtttgtattt 360
atagccagac tataaaaaatt acgggggattt aattcgcgac tcaccacgt tctcacacag 420
tatgtgcttt tttcataagt atgatttgaa ccctaaaata tcaactttca taataaacat 480
aattctttcc agacaactaa atgggttggt tatcacgagt acttaatgct ggggtttattc 540
taagtggaca atctgttttc caggatgttg ctgccccaca tcaagcatca attgaacaat 600
ataatattgt caagtacctt ggtggcagcg gtccatatat tcaaaattca ggggatggga 660
tttctactga tataaccagaa aaatgcacta ttgaacaagt tcaaatgatt agtagacatg 720
gtgagcgatt tcctagtaaa ggagatggga aatactttaa ttcagtgatg gaagttttca 780
agagatatgg tgaatttcat ggagatttat cttttttaa tgactatgag tatttcgtta 840
ctaattcaga ttattatgaa aaggagacta ctcctaaaaa ctcaaaaggt ccatattttg 900
gaactacaaa tttattacga catggagcct attttagaaa aagatatcaa tcactatttg 960

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acaaaaagga gaagcttggt gtgtttacta gtaattctgg aaggtgttat caaagtgggtg 1020
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ttgttgatga agacaaaaaa atgggtggta attcattgac accaagatac gcttgtaaaa 1140
ctttgaatca agattttacac aaagatttgg tgaatcagta cgataagact tatttggtgacg 1200
atattttatc tagatggcta gtagacaatc ctggattaga ttttaagtgc gatcaggtct 1260
cgtcattatt tctttggtgt gcctttgaga ttaacgttag ggggtattct ccattctgca 1320
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ttgagatgta tttgacatct ttgggattga ttgttccacc aggggatttg cccgttgatc 1560
gagtaccatt tccaatcca tataatgcag cagaattttt ccctcaaggt gctagaactt 1620
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tcaaattagt taaaagtcgt ttacatgatg ttgactataa gcttcaatgt gaagtggacg 1800
gaccagcgga attgacattt tattgggatt ataaagacag aaagtataat gcgccgttaa 1860
tagatcagta a                                     1871

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&lt;210&gt; 300

&lt;211&gt; 456

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 300

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Met Val Gly Leu Ser Arg Val Leu Asn Ala Gly Phe Ile Leu Ser Gly
 1              5              10              15

Gln Ser Val Phe Gln Asp Val Ala Ala Pro His Gln Ala Ser Ile Glu
      20              25              30

Gln Tyr Asn Ile Val Lys Tyr Leu Gly Gly Ser Gly Pro Tyr Ile Gln
      35              40              45

Asn Ser Gly Tyr Gly Ile Ser Thr Asp Ile Pro Glu Lys Cys Thr Ile
      50              55              60

Glu Gln Val Gln Met Ile Ser Arg His Gly Glu Arg Phe Pro Ser Lys
      65              70              75              80

Gly Asp Gly Lys Tyr Phe Asn Ser Val Met Glu Val Phe Lys Arg Tyr
      85              90              95

Gly Glu Phe His Gly Asp Leu Ser Phe Leu Asn Asp Tyr Glu Tyr Phe
      100              105              110

Val Thr Asn Pro Asp Tyr Tyr Glu Lys Glu Thr Thr Pro Lys Asn Ser
      115              120              125

Lys Gly Pro Tyr Phe Gly Thr Thr Asn Leu Leu Arg His Gly Ala Tyr
      130              135              140

Phe Arg Lys Arg Tyr Gln Ser Leu Phe Asp Gln Lys Glu Lys Leu Val
      145              150              155              160

Val Phe Thr Ser Asn Ser Gly Arg Cys Tyr Gln Ser Gly Val Tyr Phe
      165              170              175

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307

Ala Arg Gly Phe Leu Gly Asp Asp Tyr Ser Glu Asp Thr Val Glu Phe  
                   180                                  185                                  190  
 Val Val Val Asp Glu Asp Lys Lys Met Gly Gly Asn Ser Leu Thr Pro  
                   195                                  200                                  205  
 Arg Tyr Ala Cys Lys Thr Leu Asn Gln Asp Leu His Lys Asp Leu Val  
                   210                                  215                                  220  
 Asn Gln Tyr Asp Lys Thr Tyr Leu Asp Asp Ile Leu Ser Arg Trp Leu  
                   225                                  230                                  235                                  240  
 Val Asp Asn Pro Gly Leu Asp Leu Ser Ala Asp Gln Val Ser Ser Leu  
                                   245                                  250                                  255  
 Phe Leu Trp Cys Ala Phe Glu Ile Asn Val Arg Gly Tyr Ser Pro Phe  
                                   260                                  265                                  270  
 Cys Asn Leu Phe Thr Lys Asp Glu Phe Ile Arg Ser Gly Tyr Arg Asn  
                                   275                                  280                                  285  
 Asp Val Gly Asn Tyr Tyr Gln Thr Gly Pro Gly Asn Asn Met Thr Lys  
                   290                                  295                                  300  
 Val Ile Gly Ser Pro Met Val Glu Ala Ser Leu Lys Met Leu Gln Glu  
                   305                                  310                                  315                                  320  
 Asp Ser Lys Ile Trp Leu Thr Phe Thr His Asp Thr Asp Ile Glu Met  
                                   325                                  330                                  335  
 Tyr Leu Thr Ser Leu Gly Leu Ile Val Pro Pro Gly Asp Leu Pro Val  
                                   340                                  345                                  350  
 Asp Arg Val Pro Phe Pro Asn Pro Tyr Asn Ala Ala Glu Phe Phe Pro  
                   355                                  360                                  365  
 Gln Gly Ala Arg Thr Tyr Thr Glu Lys Leu Lys Cys Gly Glu Lys Gln  
                   370                                  375                                  380  
 Tyr Val Arg Phe Ile Val Asn Asp Ala Val Tyr Pro Tyr Pro Asp Cys  
                   385                                  390                                  395                                  400  
 Ser Gly Gly Pro Gly Phe Thr Cys Glu Leu Asn Asp Phe Ile Lys Leu  
                                   405                                  410                                  415  
 Val Lys Ser Arg Leu His Asp Val Asp Tyr Lys Leu Gln Cys Glu Val  
                                   420                                  425                                  430  
 Asp Gly Pro Ala Glu Leu Thr Phe Tyr Trp Asp Tyr Lys Asp Arg Lys  
                   435                                  440                                  445  
 Tyr Asn Ala Pro Leu Ile Asp Gln  
                   450                                  455

&lt;210&gt; 301

&lt;211&gt; 1888

&lt;212&gt; DNA

<213> *Candida albicans*

&lt;400&gt; 301

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tgtagtataa ataaggggtat gaaataccaa catcccagaa tatcaacgag atagaagaga 60
ggagtttcaa tatatatctt gtgaataata acttcgttct aattcactat acacaactag 120
acgtgtacac gctcaatctc aggtaaagaa agtttatatt ccatcactat ataacaacaa 180
tcaggccttg caaaaaaaca tttaaaacta atactggtaa tatggaaata taacgcctcg 240
tagttctacg cacgtggcat cctttatcta tttattcaat ttacccttaa tttatgaatt 300
agcttaataa gagcagtcaa attaacacgg ctcaattaat agtacttaat aatatgaagc 360
cgatcaatta accgatcctt tgaataattt gaaaataaaa taaagtaata taaataggta 420
tgcattttcc ctacatttat ttctcttttc tattttaatt tgtttcctaa acagcaacaa 480
caacaattga aattcaaaaa tggtttctgt ttctaaatta ttgaacaatg gattgttatt 540
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tgggtgtcaat agtacctacc catctgagct tactttctac tgggattata aaaatgtcac 1860
ttacaatgct ccttttaggtg attttttaa 1888

```

&lt;210&gt; 302

&lt;211&gt; 462

&lt;212&gt; PRT

<213> *Candida albicans*

&lt;400&gt; 302

```

Met Val Ser Val Ser Lys Leu Leu Asn Asn Gly Leu Leu Leu Ala Gly
  1                      5                      10                      15

Gln Ser Val Phe Gln Asp Val Ala Thr Pro Gln Gln Ala Ser Val Gln
      20                      25                      30

Gln Tyr Asn Ile Val Asn Ser Leu Gly Gly Ser Ala Pro Tyr Ile Gln
      35                      40                      45

Arg Asn Gly Tyr Gly Ile Ser Thr Asp Ile Pro Ala Gly Cys Glu Ile
      50                      55                      60

```



Ala Gln Ile Gln Leu Tyr Ser Arg His Gly Glu Arg Tyr Pro Ser Lys  
 65 70 75 80  
 Ser Asn Gly Lys Ser Leu Glu Ala Ile Tyr Ala Lys Phe Glu Asn Tyr  
 85 90 95  
 Lys Gly Thr Phe Lys Gly Asp Leu Ala Phe Leu Asn Asp Tyr Thr Tyr  
 100 105 110  
 Phe Val Thr Asp Lys Asn Asn Tyr Glu Lys Glu Thr Ser Pro Lys Asn  
 115 120 125  
 Ser Glu Gly Thr Tyr Ala Gly Thr Thr Asn Ala Leu Arg His Gly Ala  
 130 135 140  
 Ala Phe Arg Ala Lys Tyr Gly Ser Leu Tyr Lys Glu Asn Ser Thr Leu  
 145 150 155 160  
 Pro Val Phe Ser Ser Asn Ser Gly Arg Cys Tyr Gln Thr Ser Arg Tyr  
 165 170 175  
 Phe Ala Arg Gly Phe Leu Gly Asp Asp Phe Lys Glu Gly Lys Thr Val  
 180 185 190  
 Lys Phe Asn Ile Ile Ser Glu Asp Ala Asp Val Gly Ala Asn Ser Leu  
 195 200 205  
 Thr Pro Arg Ser Ala Cys Ser Lys Asn Lys Glu Arg Ser Ser Ser Thr  
 210 215 220  
 Ala Lys Lys Tyr Asn Thr Thr Tyr Leu Asn Ala Ile Thr Glu Arg Leu  
 225 230 235 240  
 Val Lys Pro Asn Pro Gly Leu Asn Leu Thr Thr Ser Asp Val Asn Asn  
 245 250 255  
 Leu Phe Ser Trp Cys Ala Tyr Glu Ile Asn Val Arg Gly Ser Ser Pro  
 260 265 270  
 Phe Cys Asp Leu Phe Thr Asn Glu Glu Phe Ile Lys Tyr Ser Tyr Gly  
 275 280 285  
 Asn Asp Leu Ser Asn Tyr Tyr Ser Asn Gly Ala Gly Asn Asn Tyr Thr  
 290 295 300  
 Arg Ile Ile Gly Ser Val Ile Leu Asn Ser Ser Leu Glu Leu Leu Lys  
 305 310 315 320  
 Asp Thr Lys Asn Ser Asn Gln Val Trp Leu Ser Phe Ala His Asp Thr  
 325 330 335  
 Asp Leu Glu Ile Phe His Ser Ala Leu Gly Leu Leu Glu Pro Ala Glu  
 340 345 350  
 Asp Leu Pro Thr Ser Tyr Ile Pro Phe Pro Asn Pro Tyr Val His Ser  
 355 360 365

310

Ser Ile Val Pro Gln Gly Ala Arg Ile Tyr Thr Glu Lys Leu Gln Cys  
 370 375 380

Gly Asn Asp Ala Tyr Val Arg Tyr Ile Ile Asn Asp Ala Val Val Pro  
 385 390 395 400

Ile Pro Lys Cys Ala Thr Gly Pro Gly Phe Ser Cys Lys Leu Asp Asp  
 405 410 415

Phe Glu Asn Phe Val Lys Glu Arg Ile Gly Asp Val Asp Phe Val Lys  
 420 425 430

Gln Cys Gly Val Asn Ser Thr Tyr Pro Ser Glu Leu Thr Phe Tyr Trp  
 435 440 445

Asp Tyr Lys Asn Val Thr Tyr Asn Ala Pro Leu Gly Asp Phe  
 450 455 460

&lt;210&gt; 303

&lt;211&gt; 1886

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 303

```

actacttaaa ttggcatatc caaacaaact tgaagtagga gtttccttat ttttattttg 60
tatttatata tttgattgcg attaatgtca taaatttttag ttcggtaatt atgtcacaaa 120
aacaacaat caacatatta aatcgttatc ccaactttgt cagttttact aacacctttt 180
attttgtgtt atacaaattg cacaatcaat tactataact tttttttgaa acgtgggctc 240
tgtttagttt aacttcttgt agttttatta ttccgattgg gttagctcaa taactgcatt 300
tcgtacaata atgttaattc aattctaaat tccgatgaac cgaacacaca aaaaacatcc 360
agttctggag agatttttca aaacttctat tataaataga accctataag tccataataa 420
ttcaattgaa ggattatttt cttttccctt ttctgattac tttcaccaat tttcttctct 480
ccaaaaaaaa caacttcttc atggtttctg tttctaaatt aatcaataac gggttgttat 540
taactagtca aagtgttttc caagatgttg ctactccgca acaagcttct gtgcaacaat 600
acaatatact caattttctt ggcggtagtg ccccttatat tcaaagaaac ggatatggga 660
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tggtgtgcaa tagtacctac ccactctgagc ttactttcta ctgggattat aaaaatgtca 1860

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cttacaatgc tccttttagaa ttgtaa

1886

&lt;210&gt; 304

&lt;211&gt; 461

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 304

```

Met Val Ser Val Ser Lys Leu Ile Asn Asn Gly Leu Leu Leu Thr Ser
 1              5              10              15

Gln Ser Val Phe Gln Asp Val Ala Thr Pro Gln Gln Ala Ser Val Gln
      20              25              30

Gln Tyr Asn Ile Leu Asn Phe Leu Gly Gly Ser Ala Pro Tyr Ile Gln
      35              40              45

Arg Asn Gly Tyr Gly Ile Ser Thr Asp Ile Pro Ala Gly Cys Glu Ile
      50              55              60

Ala Gln Ile Gln Leu Tyr Ser Arg His Gly Glu Arg Phe Pro Thr Ala
      65              70              75              80

Ser Ser Gly Lys Asp Tyr Glu Lys Ile Tyr Ala Lys Phe Lys Asn Tyr
      85              90              95

Asn Gly Thr Phe Lys Gly Asp Leu Ser Phe Leu Asn Asp Tyr Thr Tyr
      100             105             110

Phe Val Lys Asp Gln Ser Asn Tyr Ala Lys Glu Thr Ser Pro Lys Asn
      115             120             125

Ser Glu Gly Thr Tyr Ala Gly Thr Thr Asn Ala Leu Arg His Gly Ala
      130             135             140

Ala Phe Arg Ala Lys Tyr Gly Ser Leu Tyr Lys Glu Asn Ser Thr Leu
      145             150             155             160

Pro Ile Phe Thr Ser Asn Ser Asn Arg Val His Glu Thr Ser Lys Tyr
      165             170             175

Phe Ala Arg Gly Phe Leu Gly Asp Asp Tyr Glu Glu Gly Lys Thr Val
      180             185             190

Lys Phe Asn Ile Ile Ser Glu Asp Ala Asp Leu Gly Ala Asn Ser Leu
      195             200             205

Thr Pro Arg Ser Ala Cys Ser Lys Asn Lys Glu Ser Ser Ser Ser Thr
      210             215             220

Ala Lys Lys Tyr Asn Thr Thr Tyr Leu Asn Ala Ile Ala Glu Arg Leu
      225             230             235             240

Val Lys Pro Asn Pro Gly Leu Asn Leu Thr Thr Ser Asp Val Asn Asn
      245             250             255

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312

Leu Phe Ser Trp Cys Ala Tyr Glu Ile Asn Val Arg Gly Ser Ser Pro  
                   260                                  265                                  270  
 Phe Cys Asp Leu Phe Thr Asn Glu Glu Phe Ile Lys Asn Ser Tyr Gly  
                   275                                  280                                  285  
 Asn Asp Leu Ser Lys Tyr Tyr Ser Asn Gly Ala Gly Asn Asn Tyr Thr  
                   290                                  295                                  300  
 Arg Ile Ile Gly Ser Val Ile Leu Asn Ser Ser Leu Glu Leu Leu Lys  
                   305                                  310                                  315                                  320  
 Asp Thr Glu Asn Ser Asn Gln Val Trp Leu Ser Phe Ala His Asp Thr  
                                   325                                  330                                  335  
 Asp Leu Glu Ile Phe His Ser Ala Leu Gly Leu Leu Glu Pro Ala Glu  
                                   340                                  345                                  350  
 Asp Leu Pro Thr Ser Tyr Ile Pro Phe Pro Asn Pro Tyr Val His Ser  
                                   355                                  360                                  365  
 Ser Ile Val Pro Gln Gly Ala Arg Ile Tyr Thr Glu Lys Leu Gln Cys  
                                   370                                  375                                  380  
 Gly Asn Asp Ala Tyr Val Arg Tyr Ile Ile Asn Asp Ala Val Val Pro  
                                   385                                  390                                  395                                  400  
 Ile Pro Lys Cys Ala Thr Gly Pro Gly Phe Ser Cys Lys Leu Asp Asp  
                                   405                                  410                                  415  
 Phe Glu Asn Phe Val Lys Glu Arg Ile Gly Asp Val Asp Phe Ile Lys  
                                   420                                  425                                  430  
 Gln Cys Gly Val Asn Ser Thr Tyr Pro Ser Glu Leu Thr Phe Tyr Trp  
                                   435                                  440                                  445  
 Asp Tyr Lys Asn Val Thr Tyr Asn Ala Pro Leu Glu Leu  
                                   450                                  455                                  460

&lt;210&gt; 305

&lt;211&gt; 1635

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 305

atatatatat atttatgtat ttttttattg ttgttcagga attttaaaca tgttcatgaa 60  
 taatgataat ctatgaacaa attaaagaac tcttttggtt catttgcaac caatgtgcgt 120  
 gacttagggc tatagcccta cttttacttg tacgatactg catattttgt tgttgtgcga 180  
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 cgcacatatt ttatttagagc ttacagtgtg ttgtatagtg agagtttcac taacacaaag 300  
 cttcaacaat actaacaat tttcgcacgc tgtggaagga gaaacttaca ctgtacacta 360  
 cactacactg tacactatac accaccaaca gaaaaaaaaa attatcaaat tttcaacctt 420  
 gagagaaaaa aaaaagtggg aaaaaaactt cttcttacat ttagttaatt ttcagacagg 480  
 cacaaaggaa ttaatcacca tgaaggtagt tgattgaata taacctatat cagtgattat 540  
 aattagagtc tttatttggg tattgcaata attggataat aaagaaagag cataagagta 600

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ggagtttttaa acaggataat tggattcaat aagaggaaaa atttttttatc gtcgtgatta 660
taacaaatac aaagaaatta agcaatgaag tgatataagc aaatgaagga ctagttttatt 720
aggggtgaca ttttttagact acgtaaaagt actttcgatt caaggaaaac caaatTTtag 780
tatctatcaa caaactacaa atcaatttag ttaacttcaa taatgacaat aatttttaatc 840
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ctaacaatac ttttttttgt ttcatttttag ttaaaccatct catatccagc caacgggtact 960
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aaaaaagtca agaatgctca acaacaaaga gatgctgctg ctgaatacgc tcaattgttg 1560
gctaagagat tgcataaaaag aaaagaagaa agagctgaaa ttaaaaagaa gagagctgaa 1620
tcttttaaaga actaa 1635

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&lt;210&gt; 306

&lt;211&gt; 236

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 306

```

Met Lys Leu Asn Ile Ser Tyr Pro Ala Asn Gly Thr Gln Lys Ser Met
  1             5             10             15

Asp Ile Asp Asp Asp Thr Lys Leu Arg Val Ser Thr Glu Lys Arg Met
      20             25             30

Gly Gln Glu Val Glu Gly Asp Ser Val Gly Asp Glu Phe Lys Gly Tyr
      35             40             45

Ile Phe Lys Ile Thr Gly Gly Asn Asp Lys Gln Gly Val Pro Met Lys
      50             55             60

Gln Gly Val Met His Pro Thr Arg Val Arg Leu Leu Leu Ser Lys Gly
      65             70             75             80

His Ser Cys Tyr Arg Pro Arg Arg Thr Gly Glu Arg Lys Arg Lys Ser
      85             90             95

Val Arg Gly Cys Ile Val Ala Gln Asp Leu Ser Val Leu Ala Leu Ser
      100            105            110

Ile Val Lys Gln Gly Asp Asn Glu Ile Glu Gly Leu Thr Asp Thr Thr
      115            120            125

Val Pro Lys Arg Leu Gly Pro Lys Arg Ala Asn His Ile Arg Lys Phe
      130            135            140

Phe Gly Leu Thr Lys Glu Asp Asp Val Arg Asp Phe Val Val Arg Arg
      145            150            155            160

Glu Val Thr Lys Gly Asp Lys Thr Tyr Thr Lys Ala Pro Lys Ile Gln

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314

165	170	175
Arg Leu Val Thr Pro Gln Thr Leu Gln Arg Lys Arg Ala Leu Lys Ala		
180	185	190
Lys Lys Val Lys Asn Ala Gln Gln Gln Arg Asp Ala Ala Ala Glu Tyr		
195	200	205
Ala Gln Leu Leu Ala Lys Arg Leu His Glu Arg Lys Glu Glu Arg Ala		
210	215	220
Glu Ile Lys Lys Lys Arg Ala Glu Ser Leu Lys Asn		
225	230	235

<210> 307  
 <211> 1520  
 <212> DNA  
 <213> Candida albicans

<400> 307  
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 aacaatgata acggaggagg attatcccat acaaacagaa tagttggttg tgtagttggt 120  
 gggggttggtg gttctatatt aattgggttg ttggccggtt tattttactt gagaaagaga 180  
 aacaaccgtg attatgaagg tggatggact ttctggagaa agaagagaa attgggaagt 240  
 gatgagttct tcaatggtga attgggtgtc agagacagaa atattaatca aggatcaaat 300  
 ttttaaacaa ggcttatttt ggatgagggg ggtttttttt ataagtattt tgtagttgaa 360  
 tttaaaattt tgtaccttaa agtcttttaa ttttaatttt ataaaaagtg gtgatttggc 420  
 aaacttcaag agtatatttg gtgaaaaaaa aaaaaaaatt tggaactgaa cgcgtctaac 480  
 atcttatacc tctaagcaaa atgtcagagt actctgtgta tcaacagttg aatgaagata 540  
 caaacgcaac taaatatact tataaattac tacagctacc atcaaagata ctaaatacaac 600  
 ttgaatccaa gtcaactaac ttgtatataa aatctgatat caattcccta gcattatgca 660  
 ctgattcaga aactttcaag ttacgacaaa tgaaccattc caatacagtc ttgctattga 720  
 acaaagaacc tgacaacaag ttaattgggt ttcagaaaac cagttatgaa tatgagttga 780  
 cagaaatcaa aggttcgata gatacgtccg atatccctat tttcaacgga caaacagcac 840  
 agcaacctat tgatttgata gcattggaag ataattcgat ttgttcacat caagagtttt 900  
 tatcgaattg gtatgagttg ggaggttggt aaattgataa tggagcatat ataagagtg 960  
 cagatattat tactgaacta ttatatctat taatcaccaa attgatgagt ttacaagtgc 1020  
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 taaaaattac acagtgggtt ggcattgttg agatgtcaaa aatcaatcat aaaatgaccg 1200  
 atatttcaga gttcttattg aattggaaaa ctagtgtgcc gtcattctat aacctccat 1260  
 tggacatcag tcaattggca ggctattact gctccccaat cgaaaacaaa atattgtatg 1320  
 tcgaccacga atctttatca gaaaatttga gtcaacgatt caaagaattg tttgaattgg 1380  
 ataaaagttg gaactatgat gagtttattc cattcattaa aaagtttggt cctgccggta 1440  
 aaaaggtcga ctcaattatt ttaaagtatg gcaagaagaa gaaagttggt agagatagat 1500  
 ttatagtcgt tcctagataa 1520

<210> 308  
 <211> 339  
 <212> PRT  
 <213> Candida albicans

<400> 308  
 Met Ser Glu Tyr Ser Val Tyr Gln Gln Leu Asn Glu Asp Thr Asn Ala

315

1	5	10	15
Thr Lys Tyr Thr Tyr Lys Leu Leu Gln Leu Pro Ser Lys Ile Leu Asn	20	25	30
Gln Leu Glu Ser Lys Ser Thr Asn Leu Tyr Ile Lys Ser Asp Ile Asn	35	40	45
Ser Leu Ala Leu Cys Thr Asp Ser Glu Thr Phe Lys Leu Arg Gln Met	50	55	60
Asn His Ser Asn Thr Val Leu Leu Leu Asn Lys Glu Pro Asp Asn Lys	65	70	75
Leu Ile Gly Phe Gln Lys Thr Ser Tyr Glu Tyr Glu Leu Thr Glu Ile	85	90	95
Lys Gly Ser Ile Asp Thr Ser Asp Ile Pro Ile Phe Asn Gly Gln Thr	100	105	110
Ala Gln Gln Pro Ile Asp Leu Ile Ala Leu Glu Asp Asn Ser Ile Cys	115	120	125
Ser His Gln Glu Phe Leu Ser Asn Trp Tyr Glu Leu Gly Gly Cys Glu	130	135	140
Ile Asp Asn Gly Ala Tyr Ile Met Ser Ala Asp Ile Ile Thr Glu Leu	145	150	155
Leu Tyr Leu Leu Ile Thr Lys Leu Met Ser Leu Gln Val His Glu Phe	165	170	175
Ser Pro Glu Asp Val Ser Ser Ile Ile Thr Pro Pro Tyr Asn Asp Ser	180	185	190
Met Val Thr Ser Ile Ile His Lys Phe Cys Thr Ile Glu Ser Glu Lys	195	200	205
Tyr Gln Leu Asn Asp Leu Lys Ile Thr Gln Trp Phe Gly Ile Val Glu	210	215	220
Met Ser Lys Ile Asn His Lys Met Thr Asp Ile Ser Glu Phe Leu Leu	225	230	235
Asn Trp Lys Thr Ser Leu Pro Ser Phe Tyr Asn Pro Pro Leu Asp Ile	245	250	255
Ser Gln Leu Ala Gly Tyr Tyr Cys Ser Pro Ile Glu Asn Lys Ile Leu	260	265	270
Tyr Val Asp Pro Glu Ser Leu Ser Glu Asn Leu Ser Gln Arg Phe Lys	275	280	285
Glu Leu Phe Glu Leu Asp Lys Ser Trp Asn Tyr Asp Glu Phe Ile Pro	290	295	300
Phe Ile Lys Lys Phe Val Pro Ala Gly Lys Lys Val Asp Ser Ile Ile			

```

<400> 310
Val Lys Leu Pro Leu Phe Asp Leu Phe Leu Leu Gly Cys Ala Pro Asp
  1                               10                      15
Gly His Ile Ala Ser Leu Phe Pro Asn His Gly Glu Gln Leu Arg Glu
          20                      25                      30
Lys Leu Ala Trp Val Leu Pro Val Ser Asn Ala Pro Ser Gly Pro Glu
          35                      40                      45
Asn Arg Ile Thr Leu Ser Ile Pro Val Ile Cys His Ser Ala Arg Val
          50                      55                      60
Thr Phe Val Val Glu Gly Leu Thr Lys Ala Pro Ile Ile Lys Thr Ile
  65                      70                      75                      80
Met Glu Arg Pro Glu Lys Gly Leu Pro Ser Ser Ile Val Asn Glu Gly
          85                      90                      95
Ala Ala Gly Arg Val Ser Trp Phe Val Asp Asp Asp Ala Leu Asn Asp
          100                      105                      110

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317

Leu Phe Asp Ile Thr Lys Lys Lys Tyr Lys Tyr Leu Ser Ile Pro Glu  
 115 120 125

Pro Ser His  
 130

<210> 311  
 <211> 1190  
 <212> DNA  
 <213> Candida albicans

<400> 311  
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 attgaacaat gaatacacgt ccaagaaaaa tttagcatga ttagaatcgc ggtcaattac 120  
 attcccggaa cgtcttggac tacttggata caacaatgga aaatgaggaa aatgaggaaa 180  
 atgaggaaaa cgaggaaaac gaggaaaata tttaccgaag agtaattata ttacaagcat 240  
 tgaaagagga gaagtgaacg ccccaaacag aaacaatacc gaacatcaca aaaaaaaaaa 300  
 aagacaacag ctaaaatttt ttggtcagaa cacaactttg gaagaaagaa aaaaaccgga 360  
 aaaaagaaat tcatctaataa cacatacaca atatatatat atatatataa atatatccat 420  
 atacatatgc tttaatTTaa ccttcccgcc tttcttttct tctttttgaa ttatatcgat 480  
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 ttcattgcaca agcatcagac caacaaccaa acaaacataa caccaaaagt actacatata 660  
 ccgccactaa tgacgaatca gttgccaatc tcattgattc taaaaatgat cctcaaactg 720  
 atgacaaaaat aaatcaaaaa atatcacaag atcaagatga agccatcaat ggtaataaag 780  
 acactaataa agacaccacc aaagtcaaac cagataatgg tgaatatgat ccaatatctg 840  
 atttgataaa aattagatca ttatcaccaa tgacaatttt cagtaaataa tattgtccat 900  
 attcaaaaaa gattaaacaa ttgttattag aaaaatatga tataacacca gcaccaaattg 960  
 ttgttgaatt agatcgatat gaatatggag ctgaattaca aagttatttg acagagaaga 1020  
 gtgggagaag aactgtgcca aacgtattgg ttggtaaatc atttgaaagt aggggtgggt 1080  
 gtgatgaatt tgaaaaactt cataaagata atgatttgat taaattgtta gttgaatggg 1140  
 ggtctgggtcg tttacaagtt gcaaagaaga ataccatc aaatgcctaa 1190

<210> 312  
 <211> 229  
 <212> PRT  
 <213> Candida albicans

<400> 312  
 Met Ala Gly Val Arg Gln Leu Arg Ile Ile Ala Leu Thr Ala Phe Val  
 1 5 10 15  
 Leu Gly Leu Ile Phe Thr Leu His Lys Val Gly Ser Asn Ala Ala Ser  
 20 25 30  
 Leu Val His Ala Gln Ala Ser Asp Gln Gln Pro Asn Lys His Asn Thr  
 35 40 45  
 Lys Ser Thr Thr Tyr Thr Ala Thr Asn Asp Glu Ser Val Ala Asn Leu  
 50 55 60  
 Ile Asp Ser Lys Asn Asp Pro Gln Thr Asp Asp Lys Ile Asn Gln Lys  
 65 70 75 80

318

Ile Ser Gln Asp Gln Asp Glu Ala Ile Asn Gly Asn Lys Asp Thr Asn  
                     85                    90                    95  
 Lys Asp Thr Thr Lys Val Lys Pro Asp Asn Gly Glu Tyr Asp Pro Ile  
                     100                    105                    110  
 Ser Asp Leu Ile Lys Ile Arg Ser Leu Ser Pro Met Thr Ile Phe Ser  
                     115                    120                    125  
 Lys Ser Tyr Cys Pro Tyr Ser Lys Lys Ile Lys Gln Leu Leu Leu Glu  
                     130                    135                    140  
 Lys Tyr Asp Ile Thr Pro Ala Pro Asn Val Val Glu Leu Asp Arg Tyr  
                     145                    150                    155                    160  
 Glu Tyr Gly Ala Glu Leu Gln Ser Tyr Leu Thr Glu Lys Ser Gly Arg  
                     165                    170                    175  
 Arg Thr Val Pro Asn Val Leu Val Gly Lys Ser Phe Glu Ser Arg Gly  
                     180                    185                    190  
 Gly Cys Asp Glu Phe Glu Lys Leu His Lys Asp Asn Asp Leu Ile Lys  
                     195                    200                    205  
 Leu Leu Val Glu Trp Gly Ser Gly Arg Leu Gln Val Ala Lys Lys Asn  
                     210                    215                    220  
 Thr Pro Ser Asn Ala  
 225

<210> 313  
 <211> 1256  
 <212> DNA  
 <213> Candida albicans

<400> 313  
 agtgggttggt caataatggt aagttcttgg aaatagccat tgttgctttc tggtaggttag 60  
 acttgtagga agtagaactg ttttccaatg aaaagtagtt ttaattagaa aaattttcaa 120  
 agtgcgtagaa gccagtgctg aatgtgcgag gaagcccagt cagttagtag tgtccttccc 180  
 tccactgtct gtaatacaaaa atttccctta gtgaaaatgc gaaatatatc tgtactggga 240  
 acccccggga aaaaaaaaaa cctatgctca aaactatatg tactgtacac aatctagggc 300  
 tatagcccta atattgtaca ggaagaactt taactatggt gcgaagagcg tttccaattt 360  
 tttttttttc aggtgtagtc tgttctatgg caatactggt gttagtagag agtgtctcgc 420  
 actaacagaa catttttttc agaacaggaa aatttttgaa atctaaccatc ttttactgaa 480  
 agccaagcat caacacaata atgtcaaccc aatctgttca agtatgtaaa cgaattgaaa 540  
 taaagagata gagagatggt ttattatcaa aatacgaaag gaaaggcaat taaaaaagga 600  
 aatcaaaaag tcccaacctt gcagtagaag aattgaggta tatgaatttg atagatagcc 660  
 agaacggtgt tacataaatg ggatatagaa caaaactata cgaggagttt gtttcaacga 720  
 tcattccaata accagaaaac gataatattt tagcgaccat taaatgacac ttgaaggctc 780  
 actgggcca tagaatactc ccatatacac ttttgaacta tttactaaca atttactttt 840  
 gtttctagac ttttggtaaa aagaagactg ccactgccgt tgctcatggt aaagccggtg 900  
 aagggtttaat taaaattaac gggtcccaa tcaccttggg ccaaccagaa atcttaagat 960  
 tcaaagttta cgaaccattg actttggttg gtttagataa attccaaggt atcgacatca 1020  
 gagttaaggt cactgggtgg ggtcacgttt ctcaagtcta cgccatcaga caagctattg 1080  
 ctaaagggtt gggttgcttac caccaaaaat acgttgacga agcttctaag aacgaattaa 1140

319

agaaaatttt cgcttcttac gataagacct tgtagttgc cgactcaaga agaattggaac 1200  
 caaagaaatt cgggtggtcgt ggtgccagag caagattcca aaaatcttac cgtaa 1256

<210> 314  
 <211> 142  
 <212> PRT  
 <213> Candida albicans

<400> 314  
 Met Ser Thr Gln Ser Val Gln Thr Phe Gly Lys Lys Lys Thr Ala Thr  
     1                    5                    10                    15  
 Ala Val Ala His Val Lys Ala Gly Lys Gly Leu Ile Lys Ile Asn Gly  
                     20                    25                    30  
 Ser Pro Ile Thr Leu Val Gln Pro Glu Ile Leu Arg Phe Lys Val Tyr  
             35                    40                    45  
 Glu Pro Leu Thr Leu Val Gly Leu Asp Lys Phe Gln Gly Ile Asp Ile  
     50                    55                    60  
 Arg Val Lys Val Thr Gly Gly Gly His Val Ser Gln Val Tyr Ala Ile  
     65                    70                    75                    80  
 Arg Gln Ala Ile Ala Lys Gly Leu Val Ala Tyr His Gln Lys Tyr Val  
                     85                    90                    95  
 Asp Glu Ala Ser Lys Asn Glu Leu Lys Lys Ile Phe Ala Ser Tyr Asp  
             100                    105                    110  
 Lys Thr Leu Leu Val Ala Asp Ser Arg Arg Met Glu Pro Lys Lys Phe  
     115                    120                    125  
 Gly Gly Arg Gly Ala Arg Ala Arg Phe Gln Lys Ser Tyr Arg  
     130                    135                    140

<210> 315  
 <211> 959  
 <212> DNA  
 <213> Candida albicans

<400> 315  
 gtggttaagat atagaaagct taccactttg acaagtttga aataggatgg gtgaaaattt 60  
 ggacatcttg aataactaaa attctgaact tgatcaccag atccttttct tttacataat 120  
 tagatatgat ggataggtta gaatcgtctt taaagagaag gtataatatc taactgattt 180  
 ggcgaggtgt tggaaaagtc actccactgt atatatcttc ggagtttaac gtactacagt 240  
 tcagtggggg gaatacctaa ataggggggt agaatacgaa ctctacaaa ttttaaggag 300  
 actatgaccc gaaaagagaa gaaaaattta ttactctaag aactttatat acctccacaa 360  
 ctcaactttt ctttagtttc attctgcttt ttttttctta cacatcttaa ggtcaaacaa 420  
 ttttaacttat tagcttgtga aaatctcact tcaattcaag ttctctttca attgacatta 480  
 tagtatttcc caattcaatt atggcttctc atgcttcctg tatattctgt aaaattatca 540  
 aagtgaaaat tccttctttc aagttaattg aaactgcaaa gacttattcc ttcttgga 600  
 ttcaaccaat tgcgaagcc caggttttaa ttatccctaa acaccatggg gcaaagttgc 660  
 acaacattcc agacgactac cttagtgaca ttttaccagt tgtcaaaaaa ttgacaaaag 720

320

tcttgaaatt ggacgaaaat aatactccag aaggtgaagg ttataacgtt ttacagaaca 780  
 acggaagaat tgctcatcaa gttgttgatc acgttcactt ccatttgatt cctaaaaagg 840  
 atgaggctac aggttttaggt gttggttggc ctgctgaagc cactgatttt gataaattag 900  
 gaaaattgca tgagaaatta aaggaagaat tggctaaggt agataatgaa aaattataa 959

&lt;210&gt; 316

&lt;211&gt; 152

&lt;212&gt; PRT

<213> *Candida albicans*

&lt;400&gt; 316

Met Ala Ser His Ala Ser Cys Ile Phe Cys Lys Ile Ile Lys Gly Glu  
 1 5 10 15  
 Ile Pro Ser Phe Lys Leu Ile Glu Thr Ala Lys Thr Tyr Ser Phe Leu  
 20 25 30  
 Asp Ile Gln Pro Ile Ala Glu Ala His Val Leu Ile Ile Pro Lys His  
 35 40 45  
 His Gly Ala Lys Leu His Asn Ile Pro Asp Asp Tyr Leu Ser Asp Ile  
 50 55 60  
 Leu Pro Val Val Lys Lys Leu Thr Lys Val Leu Lys Leu Asp Glu Asn  
 65 70 75 80  
 Asn Thr Pro Glu Gly Glu Gly Tyr Asn Val Leu Gln Asn Asn Gly Arg  
 85 90 95  
 Ile Ala His Gln Val Val Asp His Val His Phe His Leu Ile Pro Lys  
 100 105 110  
 Lys Asp Glu Ala Thr Gly Leu Gly Val Gly Trp Pro Ala Glu Ala Thr  
 115 120 125  
 Asp Phe Asp Lys Leu Gly Lys Leu His Glu Lys Leu Lys Glu Glu Leu  
 130 135 140  
 Ala Lys Val Asp Asn Glu Lys Leu  
 145 150

&lt;210&gt; 317

&lt;211&gt; 297

&lt;212&gt; DNA

<213> *Candida albicans*

&lt;400&gt; 317

cataattatt acatataaac tcgcactata attttttttt tttctattct gtgtgtgtgt 60  
 gtgtgtgaga gccagagaaa ccaaactgac tgagtgatcg tctctcaaca atttatttct 120  
 cctcgtctta ttttttttct ttcttttctt ttctcttctt tcttcttctt cttctttttc 180  
 ttcttctttt cttctttacc aaaacactag tatttcaaca tgagagataa gtggagaaaa 240  
 aagagagtta gaagattaaa gagaaagaga cggaagggtta gagctagatc caagtaa 297

321

<210> 318  
 <211> 25  
 <212> PRT  
 <213> Candida albicans

<400> 318  
 Met Arg Asp Lys Trp Arg Lys Lys Arg Val Arg Arg Leu Lys Arg Lys  
           1                  5                  10                  15  
  
 Arg Arg Lys Val Arg Ala Arg Ser Lys  
                   20                  25

<210> 319  
 <211> 1303  
 <212> DNA  
 <213> Candida albicans

<400> 319  
 tattgtctga tgctatacgg aatgggcggt acaaataac aaacttatat ttgaaagtaa 60  
 attctattat ttcttctat cgtatgcata cggattatta tcacaaggac aattgcctat 120  
 tggtgtgtgg aataaattta aaatccttct tattgggtgc tagactttgc tttttgtgg 180  
 gattagggct ttagccctat cacgtgaaat actgtatata aaaaattctt tatagcgcga 240  
 taaaacatat tttttttccg tattaacaaa tatgtgtgaa gttttgtcct ggtgttttct 300  
 cactgttttt cctttttttt ctggtagtat caattaacgc ttagatccaa tacagttttg 360  
 gtaacttgta cacgaacaaa atctcaaatt tgttactgtg tgaaccaaca aggaagagaa 420  
 aaaaaaaccc atacaaaaat ttttcagtat caaggaatta gaagagacgt tttaatcaac 480  
 aaagttcaaa tctatcaaca atgggtatgt taatatcgat attatccata gatgtacatg 540  
 tatectaatt ggtttcatta tttggaaagt tatgtttatg ggagttctat ttattaagat 600  
 atgggataag aattaaagta ttggatgagt agtacaagac caacaaagag aaatagcccc 660  
 ctttccctcc actattcaat atactcaaca acattatcaa gttaaaagtt cagaagatac 720  
 acgtaaataa aaagttaata ccaagaagaa tacaaattac cagtccatac cgtgtttggg 780  
 tttagattac tatattttac aagaaacata ttatatgaaa tgatacccaa tccacagcga 840  
 cttttcagat agccaaataa ctaagcaact caagataaca taggatcatg catcaatcac 900  
 aaatgaaaca ttaatactaa ctaacttttt ttttatttat taggccggtg ttaaaacttt 960  
 cgaattaaga actaaatcta aggaacaatt agaattctaa ttggttgaat tgaaacaaga 1020  
 attggccact ttaaaagttc aaaaattaca aagaccaagt ttaccaagaa ttcacactgt 1080  
 tcgtaaaaac attgctagag tattgactgt tattaacttg aatcaaagag aaaatgttcg 1140  
 tgccttttac gctggtaaaa aatacattcc aaaagattta agagctaaaa agactagagc 1200  
 tttagaaga aaattgacta aatttgaagc ttctcaagaa actgaaaaag ctagaaaaca 1260  
 aagaattgct tttccacaaa gaaaatttgc tattaagct taa 1303

<210> 320  
 <211> 120  
 <212> PRT  
 <213> Candida albicans

<400> 320  
 Met Ala Gly Val Lys Thr Phe Glu Leu Arg Thr Lys Ser Lys Glu Gln  
           1                  5                  10                  15  
  
 Leu Glu Ser Gln Leu Val Glu Leu Lys Gln Glu Leu Ala Thr Leu Lys  
                   20                  25                  30  
  
 Val Gln Lys Leu Gln Arg Pro Ser Leu Pro Arg Ile His Thr Val Arg

322

35	40	45
Lys Asn Ile Ala Arg Val Leu Thr Val Ile Asn Leu Asn Gln Arg Glu		
50	55	60
Asn Val Arg Ala Phe Tyr Ala Gly Lys Lys Tyr Ile Pro Lys Asp Leu		
65	70	75 80
Arg Ala Lys Lys Thr Arg Ala Leu Arg Arg Lys Leu Thr Lys Phe Glu		
	85 90	95
Ala Ser Gln Glu Thr Glu Lys Ala Arg Lys Gln Arg Ile Ala Phe Pro		
100	105	110
Gln Arg Lys Phe Ala Ile Lys Ala		
115	120	

<210> 321  
 <211> 2690  
 <212> DNA  
 <213> Candida albicans

<400> 321

ctctgtgtaa	attgatgaaa	tccacacaat	aaaaattttc	tttcttcttt	taagaaccta	60
aaaacagaat	caacattatt	tgccccatac	atatccaaga	attaaatact	tattagttct	120
aagtggaaata	gaagagaatc	aaacttaaca	ttactgttac	gcaacgtcaa	gagggcattt	180
tttttagttt	taatttgttt	catttcaatt	gaatctttta	gaatcaccga	gtatacatat	240
tttcttttgt	attttatcag	ggaagccaca	tccaaccacc	agttacatcc	cacaaaatcc	300
cttaatcttg	ttcttagttg	tattattaat	ctattgaatt	taagtttgat	atgcgagaga	360
atattgtgga	ttgtataagt	tttgaactgg	acttgaatac	tttgagggggc	ttaatcatat	420
attgcatttt	ataccctact	cgcggtgttg	cttaccacac	tgactagtat	gatctttctg	480
agattttctag	ccaataaatt	atgagtata	tttatattat	tattcatatt	tctactacct	540
gtgatgatac	gccgacattt	gtcactaagg	attcttccga	gttaattgaa	tttgcttggg	600
aaacagtcca	tagtgtcact	ttggaaactt	tatacaaagg	atcaaacttg	gttcgtccaa	660
ccaacacacc	tatcacacct	tactgctcga	agattcatag	aataacatgg	gacaatgtca	720
aaaatgctgg	gtcgttcaaa	gacgccatca	caaactttga	tcaatacgta	caagaacaca	780
taatttccaa	gaaaaaggag	ttttcaattg	tgatggttga	catttccaaa	ttgagagttc	840
agttgggttcg	tgaagctaga	gacaaatccg	tggttttacc	ctcgtatcta	caacatccaa	900
ggatttttga	tttaccaaga	gaatatatta	attggcaatc	tagccaccct	gaaacattat	960
cataccccc	aacttcttta	actaatatta	ttactgcatt	agaagttgag	gttgagaata	1020
tatctgaata	tgtcgacttg	ccaaactttt	cttccacacc	atcaccatca	aaagcttcag	1080
caacaacgac	gacgacaact	gcaaattgtc	cagccattga	cgctcctttc	agtgaacacg	1140
aaccaaattg	taaagtcatt	gcaaatttgc	acgccaaaat	tgccaaacaa	ttgatcaaaa	1200
aatccatccc	tgttgagaat	caccctaatt	tattttacaag	accttttgat	tcggctcaag	1260
atatcactgc	ttttacatca	gaaagatcaa	aagtactcta	tctttccaac	ttgccaaacg	1320
acaccacaca	atcagagttg	gaatcatggt	tcaactcagta	tggtggaaga	ccaggtgggt	1380
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atgaggaagc	agttgattgt	ttagctttga	atgggagagt	gttgaatgat	cgctcctattg	1560
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aggatgtttt	taacagtaat	acaggcaatg	ccaacggtaa	tggcaatggt	agcggcaacc	1800
acaaccacaa	ccacaatagt	ggagctcgcc	gtggcatgaa	tttacagcct	gctcaagcta	1860
atgagaaaat	tggaaacaggc	aatattagta	ttcctttctta	caacgatcca	atcaagggtc	1920

323

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caacaggtaa tgtcactaat cacctcaaca attctgagac caatttactg aacaacacta 1980
atcttaacaa caacaatcat catagtaata attatcacia taactaccat caccacaaca 2040
acaataataa caatcatggg aatagcaatg gtaacacccat acatggctgt tcccattata 2100
acaatagtgt tccatttaga gcagggtgact ggaaatgtga aaattgcatg tatcacaatt 2160
tcgccaaaaa tttgtgttgt ttaaaatgtg gtgtcgccaa acctgctatt aacaatcaac 2220
aaaataatac aattcattcg gtgaattcaa cggccgctgc catagctgca gcaacagcca 2280
gtgggtcaacc tttaaacttg aataataatg catttttgaa ccttcagcaa caacagtctc 2340
agtcacaacc ccaaggctcag caccattaca accaacattc tcgtaacaac aatgcttctg 2400
gggcatcaaa gttcaacaat ggctacaacc caaagaatca gtattacaat aataatagca 2460
agaatcttag caacaatttt ggtcttaatg gtatgcatca gcaaaaccaa aatcaaattt 2520
tgatgtattc acaacaattg caacaacaac agcaacaaca acagcaacaa cagcaacaac 2580
agcaacaaca gcaacaacag caacaacagc aacaacagca acagcaacaa catgatttaa 2640
atggaagtag ctcttcccat caactgaaac ttcaattgaa taatacttga 2690

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&lt;210&gt; 322

&lt;211&gt; 729

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 322

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Met Ser Asp Ile Tyr Ile Ile Ile His Ile Ser Thr Thr Cys Asp Asp
  1             5             10             15

Ser Pro Thr Phe Val Thr Lys Asp Ser Ser Glu Leu Ile Glu Phe Ala
          20             25             30

Trp Glu Thr Val Asp Ser Val Thr Leu Glu Thr Leu Tyr Lys Gly Ser
          35             40             45

Asn Leu Val Arg Pro Thr Asn Thr Pro Ile Thr Pro Tyr Cys Ser Lys
          50             55             60

Ile His Arg Ile Thr Trp Asp Asn Val Lys Asn Ala Gly Ser Phe Lys
          65             70             75             80

Asp Ala Ile Thr Asn Phe Asp Gln Tyr Val Gln Glu His Ile Ile Ser
          85             90             95

Lys Lys Lys Glu Phe Ser Ile Val Met Phe Asp Ile Ser Lys Leu Arg
          100            105            110

Val Gln Leu Val Arg Glu Ala Arg Asp Lys Ser Val Val Leu Pro Ser
          115            120            125

Tyr Leu Gln His Pro Arg Ile Phe Asp Leu Pro Arg Glu Tyr Leu Asn
          130            135            140

Trp Gln Ser Ser His Pro Glu Thr Leu Ser Tyr Pro Pro Thr Ser Leu
          145            150            155            160

Thr Asn Ile Ile Thr Ala Leu Glu Val Glu Val Glu Asn Ile Ser Glu
          165            170            175

Tyr Val Asp Leu Pro Asn Phe Ser Ser Thr Pro Ser Pro Ser Lys Ala
          180            185            190

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Ser Ala Thr Thr Thr Thr Thr Thr Ala Asn Val Thr Ala Ile Asp Val  
 195 200 205  
 Leu Ser Ser Glu Thr Glu Pro Asn Gly Lys Val Ile Ala Asn Leu His  
 210 215 220  
 Ala Lys Ile Ala Lys Gln Leu Ile Lys Lys Ser Ile Pro Val Glu Asn  
 225 230 235 240  
 His Pro Asn Val Phe Thr Arg Pro Phe Asp Ser Ala Gln Asp Ile Thr  
 245 250 255  
 Ala Phe Thr Ser Glu Arg Ser Lys Val Leu Tyr Leu Ser Asn Leu Pro  
 260 265 270  
 Asn Asp Thr Thr Gln Ser Glu Leu Glu Ser Trp Phe Thr Gln Tyr Gly  
 275 280 285  
 Gly Arg Pro Gly Gly Phe Trp Thr Phe Lys Ser Ala Asp Asp Asn Asn  
 290 295 300  
 Asn Asn Asn Asn Asn Asn Ser Asn Gly Gly Lys Gly Tyr Gln Asn Ala  
 305 310 315 320  
 Arg Lys Tyr Gly Ile Ser Gly Phe Val Ala Phe Asn Thr His Glu Glu  
 325 330 335  
 Ala Val Asp Cys Leu Ala Leu Asn Gly Arg Val Leu Asn Asp Arg Pro  
 340 345 350  
 Ile Glu Val Gln Ala Ser Ser Ser Lys Val Phe Asp Met Ala Met Asp  
 355 360 365  
 Lys Leu Leu Leu Thr Ser Phe Pro Leu Ser Lys Asn Arg Pro Arg Pro  
 370 375 380  
 Gly Asp Trp Thr Cys Leu Ser Cys Gly Phe Ser Asn Phe Gln Arg Arg  
 385 390 395 400  
 Thr His Cys Phe Arg Cys Ser Phe Ala Ala Val Ala Phe Gln Asp Val  
 405 410 415  
 Phe Asn Ser Asn Thr Gly Asn Ala Asn Gly Asn Gly Asn Val Ser Gly  
 420 425 430  
 Asn His Asn His Asn His Asn Ser Gly Ala Arg Arg Gly Met Asn Leu  
 435 440 445  
 Gln Pro Ala Gln Ala Asn Glu Lys Ile Gly Thr Gly Asn Ile Ser Ile  
 450 455 460  
 Pro Ser Tyr Asn Asp Pro Ile Lys Gly Pro Thr Gly Asn Val Thr Asn  
 465 470 475 480  
 His Leu Asn Asn Ser Glu Thr Asn Leu Ser Asn Asn Thr Asn Leu Asn  
 485 490 495



325

Asn Asn Asn His His Ser Asn Asn Tyr His Asn Asn Tyr His His His  
 500 505 510

Asn Asn Asn Asn Asn Asn His Gly Asn Ser Asn Gly Asn Thr Ile His  
 515 520 525

Gly Arg Ser His Tyr Asn Asn Ser Val Pro Phe Arg Ala Gly Asp Trp  
 530 535 540

Lys Cys Glu Asn Cys Met Tyr His Asn Phe Ala Lys Asn Leu Cys Cys  
 545 550 555 560

Leu Lys Cys Gly Val Ala Lys Pro Ala Ile Asn Asn Gln Gln Asn Asn  
 565 570 575

Thr Ile His Ser Val Asn Ser Thr Ala Ala Ala Ile Ala Ala Thr  
 580 585 590

Ala Ser Gly Gln Pro Leu Asn Leu Asn Asn Asn Ala Phe Leu Asn Leu  
 595 600 605

Gln Gln Gln Gln Ser Gln Ser Gln Pro Gln Gly Gln His His Tyr Asn  
 610 615 620

Gln His Ser Arg Asn Asn Asn Ala Ser Gly Ala Ser Lys Phe Asn Asn  
 625 630 635 640

Gly Tyr Asn Pro Lys Asn Gln Tyr Tyr Asn Asn Asn Ser Lys Asn Leu  
 645 650 655

Ser Asn Asn Phe Gly Leu Asn Gly Met His Gln Gln Asn Gln Asn Gln  
 660 665 670

Ile Leu Met Tyr Ser Gln Gln Leu Gln Gln Gln Gln Gln Gln Gln  
 675 680 685

Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln  
 690 695 700

Gln Gln Gln Gln Gln Gln His Asp Leu Asn Gly Ser Ser Ser Ser His  
 705 710 715 720

Gln Ser Lys Leu Gln Leu Asn Asn Thr  
 725

&lt;210&gt; 323

&lt;211&gt; 3359

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 323

aatagcattg aacaagaaga agaggacaac gatagaccaa ggttggtttt agccaatcct 60  
 gattatgata gtgatgacag ttcatagaca atttacagcc ttaaatggat atatatgtat 120  
 atttaataat aaaggacttg ttttttttag taactagtgt gatctctttt ctgggtgtac 180  
 atttcggata gcccaaccagg ttatatattta gcagtttata gacagtgtta tcgatgggta 240

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aacaaaaaaa aaatggtgtc cgccaaaaaa aaaaagagaa caacaaatca aagtttcaag 420
actatctcaa atcttgttgt caccataact atcaattggt cacctcttga accaacatca 480
aattgaataa acataggatc atgagtgaac gtggttatac attaatctat gagcctaata 540
cggctacgaa agtatctgtc aatgaattta aaaatttggt ggaaaagggt aaagatgatg 600
tgaaaagtaga taccatgaag aagattttga ttaccatatt aaatggagac cccttacctg 660
acttgttgat gcatataatc agattttgtca tgccttccag aaataaagaa ttgaaaaagt 720
tgttgtatca ttattgggag gtttgtccaa aaatggatga atcaggtaaa atgagacatg 780
aaatgattct tgtgtgtaat gccatccaac gtgatttaca gcatccaaat gaatatattc 840
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aaaatccagc tttaaagcaa caatatgccc aattaatgac agaaattatt gaaagctctt 1260
caaatgttgt tatgtatgaa gctgctaaca cgttgactgt tttgacttca aaccacaaat 1320
caatttttgt ggcaggaaac aagtttggtg aattggctac tagagagtct gataataacg 1380
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&lt;210&gt; 324

&lt;211&gt; 952

&lt;212&gt; PRT

<213> Candida albicans

**<400> 324**

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35 40 45

Gly Asp Pro Leu Pro Asp Leu Leu Met His Ile Ile Arg Phe Val Met  
50 55 60

Pro Ser Arg Asn Lys Glu Leu Lys Lys Leu Leu Tyr His Tyr Trp Glu  
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Val Cys Pro Lys Met Asp Glu Ser Gly Lys Met Arg His Glu Met Ile  
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Leu Val Cys Asn Ala Ile Gln Arg Asp Leu Gln His Pro Asn Glu Tyr  
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Ile Arg Gly Asn Thr Leu Arg Tyr Leu Thr Lys Leu Lys Glu Pro Glu  
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Leu Leu Glu Thr Leu Val Pro Asn Val Arg Gln Cys Leu Glu His Arg  
130 135 140

His Ala Tyr Val Arg Lys Asn Ala Val Phe Ala Leu Trp Ser Ile His  
145 150 155 160

Lys Val Ser Asp His Leu Ala Pro Asp Ala Asp Glu Leu Ile Tyr Arg  
165 170 175

Phe Leu Tyr Glu Glu Asn Asp Ser Val Cys Lys Arg Asn Ala Phe Val  
180 185 190

Cys Leu Gly Asp Leu Asn Arg Glu Ala Ala Leu Gln Tyr Ile Gln Asp  
195 200 205

Asn Ile Ser Val Ile Glu Thr Leu Asp Pro Leu Ile Gln Leu Ala Phe  
210 215 220

Ile Glu Phe Ile Lys Lys Asp Ser Ile Gln Asn Pro Ala Leu Lys Gln  
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Gln Tyr Ala Gln Leu Met Thr Glu Ile Ile Glu Ser Ser Ser Asn Val  
245 250 255

Val Met Tyr Glu Ala Ala Asn Thr Leu Thr Val Leu Thr Ser Asn Pro  
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 580 585 590

Val Ser Ile Leu Arg Val Gly Glu Ser Ser Leu Val Ser Lys Lys Ile  
 595 600 605  
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 820 825 830  
 Ser Glu Ser Gln Phe Arg Lys Met Trp Asn Glu Phe Glu Trp Glu Asn  
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 850 855 860  
 Glu Leu Met Lys Gly Thr Asn Met Gln Cys Leu Thr Pro Gly Ala Val  
 865 870 875 880  
 Ile Gly Glu Glu Cys Gln Phe Leu Ser Ala Asn Leu Tyr Ser Arg Ser  
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Ser Phe Gly Glu Asp Ala Leu Ala Asn Leu Cys Ile Glu Lys Gln Ser  
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Asp Gly Pro Ile Ile Gly His Val Arg Ile Arg Ser Lys Gly Gln Gly  
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Leu Ala Leu Ser Leu Gly Asp Arg Val Ala Ser Ile Ser Arg Lys Gly  
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Lys Lys Ala Thr Ile Ala Arg Val  
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 <211> 2270  
 <212> DNA  
 <213> Candida albicans

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2270

<210> 326

<211> 589

<212> PRT

<213> Candida albicans

<400> 326

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20 25 30

Ala Thr Tyr Cys Ala Gln Gly Ser Phe Gly Leu Asn Gly Ser Val Cys  
35 40 45

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50 55 60

Lys Leu Tyr Arg Val Leu Arg Gly Tyr Gly Ile Val Asp Ser Ile Arg  
65 70 75 80

Arg Leu Tyr Leu Tyr Val Ser Ser Thr Val Ser Ser Gln Ile Phe Ser  
85 90 95

Leu Pro Phe Ile Lys Ser Lys Ile Asp Lys Glu Leu Gln Ala Thr Ile  
100 105 110

Gly Lys Val Glu Glu Glu Ile Met Lys Asn Asp Pro Gln Leu Leu Gln  
115 120 125

Phe Pro Glu Leu Pro Glu Gln Gly Ile Asp Ala Asp Asn Val Ser Leu  
130 135 140

Glu Leu Asp Lys Leu Gln Asn Leu Lys His Ser Asp Trp Ile Asn Gly  
145 150 155 160

Arg Val Ser Gly Ala Val Tyr His Gly Gly Glu Asn Leu Leu Ser Leu  
165 170 175

Gln Val Glu Ala Tyr Lys Lys Tyr Ser Val Ala Asn Gln Leu His Pro  
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Asp Val Phe Pro Gly Val Arg Lys Met Glu Ala Glu Val Val His Met  
195 200 205

Val Leu Asp Ile Phe Asn Ala Pro Ser Asp Gly Cys Gly Ser Thr Thr  
210 215 220

Ser Gly Gly Thr Glu Ser Leu Leu Leu Ala Gly Leu Ser Ala Arg Glu  
225 230 235 240

Tyr Gly Lys Lys Tyr Arg Gly Ile Thr Glu Pro Glu Val Ile Ala Pro  
245 250 255

Val	Thr	Ile	His	Ala	Gly	Ile	Glu	Lys	Ala	Cys	Phe	Tyr	Phe	Gly	Met	260	265	270
Lys	Leu	His	Lys	Val	Asp	Leu	Asp	Pro	Val	Thr	Phe	Gln	Val	Asp	Val	275	280	285
Lys	Lys	Val	Glu	Arg	Leu	Ile	Asn	Ser	Asn	Thr	Val	Leu	Ile	Cys	Gly	290	295	300
Ser	Ala	Pro	Asn	Tyr	Pro	His	Gly	Ile	Ile	Asp	Asp	Ile	Glu	Ser	Leu	305	310	315
Ser	Lys	Leu	Ala	Val	Lys	Tyr	Asn	Ile	Pro	Leu	His	Val	Asp	Ala	Cys	325	330	335
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Ser	Met	Lys	Val	Lys	Arg	Ala	Ile	Glu	Thr	Asp	Pro	Ile	Leu	Ser	Lys	450	455	460
His	Leu	Gln	Ile	Ile	Gly	Asp	Pro	Ile	Gly	Ser	Val	Ile	Ser	Phe	Gln	465	470	475
Leu	Ala	Pro	Gln	Gln	Ser	Gly	Asn	Leu	Ser	Ile	Tyr	Glu	Ile	Ser	Asp	485	490	495
Leu	Leu	Thr	Lys	Lys	Gly	Trp	His	Phe	Ala	Thr	Leu	Gln	Asn	Pro	Ser	500	505	510
Ala	Leu	His	Phe	Ala	Phe	Thr	Arg	Leu	Thr	Val	Pro	Val	Val	Asp	Glu	515	520	525
Leu	Ile	Ala	Asp	Leu	Val	Glu	Ala	Thr	Lys	Glu	Ala	Val	Ala	Ile	Ala	530	535	540
Glu	Glu	His	Lys	Lys	Asn	Gly	Val	Thr	Lys	Ala	Pro	Gly	Asp	Thr	Ala	545	550	555



Ala Leu Tyr Gly Ile Ala Gly Ser Val His Thr Ala Gly Leu Ala Asp  
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Arg Leu Ile Val Ala Phe Leu Asp Thr Leu Tyr Lys Ile  
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<210> 327

<211> 3605

<212> DNA

<213> Candida albicans

<400> 327

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&lt;210&gt; 328

&lt;211&gt; 1034

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 328

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Pro Val Gly Leu Lys Leu His Gly Tyr Glu Val Thr Gln Thr Ser Pro
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Ile Pro Glu Phe Ser Leu Thr Ala Val Ser Leu Lys His Thr Glu Ser
          50             55            60

Gly Ala Thr His Leu His Leu Asp Ser Pro Asn Asp Ser Asn Asn Val
          65             70            75            80

Phe Ser Ile Ala Phe Lys Thr Asn Pro Pro Asp Asn Thr Gly Val Pro
          85             90            95

His Ile Leu Glu His Thr Thr Leu Cys Gly Ser Lys Lys Phe Pro Val
          100            105           110

Arg Asp Pro Phe Phe Lys Met Thr Asn Arg Ser Leu Ser Asn Phe Met
          115            120           125

Asn Ala Met Thr Gly His Asp Tyr Thr Phe Tyr Pro Phe Ala Thr Thr
          130            135           140

Asn Ser Lys Asp Phe Glu Asn Leu Met Asp Val Tyr Leu Ser Ser Val
          145            150           155           160

Phe Glu Pro Gln Leu Asn His Thr Asp Phe Leu Gln Glu Gly Trp Arg

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335

165								170				175			
Ile	Glu	Asn	Gln	Asn	Val	His	Asp	Ile	Ser	Ser	Lys	Leu	Glu	Phe	Lys
			180								185			190	
Gly	Val	Val	Tyr	Asn	Glu	Met	Lys	Gly	Gln	Tyr	Ser	Asn	Ser	Ala	Tyr
		195					200						205		
Tyr	Phe	Tyr	Ile	Lys	Phe	Leu	Glu	Ser	Ile	Tyr	Pro	Ser	Leu	Asn	Asn
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Ser	Gly	Gly	Asp	Pro	Lys	Lys	Ile	Val	Asp	Leu	Ser	Tyr	Glu	Gly	Leu
225					230					235					240
Leu	Glu	Phe	His	Ser	Lys	Asn	Tyr	His	Pro	Ser	Asn	Ala	Lys	Thr	Phe
				245					250					255	
Thr	Tyr	Gly	Lys	Leu	Pro	Leu	Glu	Asp	Ser	Leu	Ser	Lys	Ile	Ser	Lys
			260						265				270		
Tyr	Tyr	Glu	Ser	Phe	Glu	Lys	Lys	Val	Ser	Ser	Val	Asp	Val	Lys	Gln
		275					280						285		
Pro	Ile	Phe	Ser	Thr	Asp	Lys	Ser	Glu	Ile	Phe	Asp	Val	Thr	Ile	Pro
	290					295					300				
Gly	Pro	Val	Asp	Thr	Met	Asn	Gly	Lys	Glu	Thr	Ser	Glu	Gln	Tyr	Cys
305					310					315					320
Thr	Ser	Ile	Thr	Trp	Asn	Leu	Gly	Asn	Pro	Leu	Asp	Pro	Asn	Met	Gln
				325					330					335	
Tyr	Asp	Ile	Phe	Lys	Trp	Lys	Ile	Leu	Ser	Ser	Leu	Leu	Phe	Asp	Gly
			340						345				350		
His	Asn	Ser	Pro	Phe	Tyr	Gln	Glu	Leu	Ile	Glu	Ser	Gly	Tyr	Gly	Asp
		355					360						365		
Asp	Phe	Ser	Ala	Asn	Thr	Gly	Leu	Asp	Ser	Thr	Thr	Ala	Leu	Leu	Ser
	370					375					380				
Phe	Thr	Val	Gly	Leu	Asn	Tyr	Leu	Thr	Lys	Gln	Lys	Val	Asp	Asn	Phe
385					390					395					400
Asn	Glu	Lys	Val	Met	Glu	Ile	Ile	Asn	Asn	Lys	Ile	Ile	Pro	Glu	Leu
				405					410					415	
Ser	Asn	Glu	Glu	Ser	Ser	Ser	Tyr	His	Gly	Arg	Ile	Asp	Ala	Ile	Leu
			420						425				430		
His	Gln	Ile	Glu	Ile	Gly	Phe	Lys	Arg	His	Lys	Pro	Asp	Phe	Gly	Phe
		435					440						445		
Gly	Leu	Leu	Ser	Ser	Ile	Val	Pro	Ser	Trp	Val	Asn	Gly	Val	Asp	Pro
	450					455					460				
Ile	Asp	Thr	Leu	Gln	Val	Glu	Lys	Ile	Leu	Ser	His	Phe	Lys	Glu	Asp

465		470		475		480
Tyr Lys Gln Asn Gly	Leu Arg Ile Phe Lys Glu Leu Leu Glu Lys Thr					
	485			490		495
Leu Cys Asn Pro His Ser Gln Lys Phe Lys Phe Thr Met Glu Pro Arg						
	500			505		510
Glu Asp Phe Thr Lys Gln Leu Val Lys Asp Glu Asn Leu Met Ile Glu						
	515			520		525
Lys Arg Val Ser Glu Leu Thr Glu Asp Asn Lys Lys Ala Ile Tyr Glu						
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Gln Asn Leu Glu Leu Ala Lys Leu Gln Leu Glu Asp Gln Asn Thr Glu						
	545			550		555
Val Leu Pro Thr Leu Thr Ile Asp Asp Ile Pro Lys Arg Gly Asp Phe						
	565			570		575
Tyr Ala Ile Asp Leu Gly Gln Val Asn Lys Lys Val Val His Glu Arg						
	580			585		590
Val Val Asp Thr Asn Gly Leu Val Tyr Ala Asn Ala Leu Lys Asp Ile						
	595			600		605
Ser Tyr Leu Pro Thr Lys Leu Tyr Lys Tyr Leu Pro Leu Phe Asn Asn						
	610			615		620
Cys Leu Thr Asn Leu Ala Gly Thr Glu Asn Thr Pro Ile Thr Glu Leu						
	625			630		635
Glu Thr Lys Ile Gln Met Leu Thr Gly Gly Ile Thr Phe Ser Ser Lys						
	645			650		655
Ile Ser Thr Asp Pro Tyr Asn Ile Glu Gln Leu Lys Leu Gln Tyr Val						
	660			665		670
Leu Ser Gly Met Ala Leu Lys Glu Lys Ser Ser Ser Val Tyr Asp Leu						
	675			680		685
Trp Leu Glu Ile Leu Thr Thr Thr Lys Phe Asp Thr Ser Asp Glu Val						
	690			695		700
Leu Glu Lys Leu Ser Val Leu Ile Lys Asn Met Gly Gln Asn Gln Ile						
	705			710		715
Asn Asn Ile Ala Asp Arg Gly His Ser Tyr Ala Ala Ala Val Ser Ser						
	725			730		735
Ser Lys Leu Thr Pro Ser Lys Tyr Ile Ser Asp Ile Val Ser Gly Leu						
	740			745		750
Ser Gln Val Gln Phe Val Met Glu Leu Asn Ser Lys Leu Glu Ser Glu						
	755			760		765
Gly Lys Glu Tyr Leu Ala Lys Glu Ile Ile Pro Ile Leu Gln Glu Ile						

770					775					780					
Gln	Lys	Tyr	Val	Leu	Gln	Gly	Glu	Phe	Arg	Tyr	Arg	Leu	Val	Gly	Asn
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Gln	Glu	Ile	Ile	Val	Glu	Asn	Glu	Lys	Leu	Ile	Glu	Lys	Phe	Asp	Lys
				805					810					815	
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Val	Leu	Val	Asn	Leu	Pro	Phe	Gln	Val	Gly	Tyr	Ser	Ser	Leu	Gly	Lys
	850					855					860				
Ile	Gly	Ser	Ser	Tyr	Ser	Ser	Lys	Asp	Gly	Ala	Ser	Leu	Gln	Ile	Leu
865				870					875						880
Ser	Gln	Leu	Tyr	Ser	Phe	Lys	Asn	Leu	His	Ser	Lys	Ile	Arg	Glu	Ser
			885						890					895	
Asn	Gly	Ala	Tyr	Gly	Gly	Gly	Leu	Thr	Tyr	Asp	Gly	Leu	Asn	Gly	Thr
		900						905					910		
Leu	Asn	Phe	Tyr	Ser	Tyr	Arg	Asp	Pro	Asn	Pro	Val	Lys	Ser	Ile	Gln
		915					920					925			
Thr	Phe	Arg	Asp	Ser	Leu	Ser	Tyr	Gly	Leu	Asp	Ala	Asn	Trp	Asn	Asp
	930					935					940				
Lys	Asp	Leu	Gln	Glu	Ala	Lys	Leu	Arg	Val	Phe	Gln	Ser	Val	Asp	Ala
945				950						955					960
Pro	Ile	Asn	Ile	Ser	Ser	Gln	Gly	Ala	Ser	Ala	Phe	Phe	Glu	Asn	Ile
			965					970						975	
Asp	Asp	Tyr	Leu	Arg	Gln	Glu	Arg	Arg	Glu	Asn	Phe	Leu	Gly	Thr	Thr
		980					985						990		
Leu	Lys	Asp	Leu	Arg	Asp	Val	Thr	Glu	Lys	Tyr	Leu	Val	Asp	Asn	Gln
		995				1000					1005				
Asn	Asn	Leu	Val	Thr	Val	Ile	Gly	Asp	Asn	Glu	Ile	Leu	Asn	Val	Asp
1010					1015					1020					
Asn	Lys	Trp	Gln	Ile	Arg	Asn	Phe	Gln	Val						
1025				1030											

&lt;210&gt; 329

&lt;211&gt; 1366

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 329

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&lt;210&gt; 330

&lt;211&gt; 145

&lt;212&gt; PRT

<213> *Candida albicans*

&lt;400&gt; 330

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Leu Leu Asn Thr Asn Ile Asp Gly Arg Ile Lys Ile Met Tyr Ala Leu
      20                      25                      30

Thr Lys Ile Arg Gly Val Gly Arg Arg Tyr Ala Asn Leu Val Cys Lys
      35                      40                      45

Lys Ala Asp Val Glu Leu Thr Lys Arg Ala Gly Glu Leu Thr Gln Glu
      50                      55                      60

Glu Leu Glu Arg Ile Val Thr Ile Met Gln Asn Pro Thr Asn Tyr Lys
      65                      70                      75                      80

Ile Pro Ala Trp Phe Leu Asn Arg Gln Lys Asp Gln Val Asp Gly Lys
      85                      90                      95

Asp Tyr His Val Leu Ala Asn Asn Leu Glu Ser Lys Leu Arg Asp Asp
      100                      105                      110

Leu Glu Arg Leu Lys Lys Ile Arg Ser His Arg Gly Ile Arg His Phe
      115                      120                      125

Trp Gly Leu Lys Val Arg Gly Gln His Thr Lys Thr Thr Ser Arg Gly

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130

135

140

Arg  
145

<210> 331  
<211> 1327  
<212> DNA  
<213> *Candida albicans*

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taaacgatac tggtaatacc taattctatt tgggtgtggtg catcacgtgc tagggctata 180  
gccctaatag tatatgcagt cgcatacatt aattggtcat ctcataagta aattatataa 240  
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gtactaacaa aattgtattg tgttgtgtgt ggctattggg cagagcgaaa atttcacccc 360  
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gccattgaag atttaaatga ttaccatcgt aataaattta ttggaatttg ggagattctt 780  
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tgtcacttct gaagctttag aagaaccatc tcaaagagaa gaagctaaaa aagttgtcaa 1260  
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<210> 332  
<211> 136  
<212> PRT  
<213> *Candida albicans*

<400> 332  
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1 5 10 15  
Arg Tyr Ala Gly Lys Lys Val Val Ile Val Lys Pro His Asp Glu Gly  
20 25 30  
Thr Lys Ser His Pro Phe Pro His Ala Ile Val Ala Gly Ile Glu Arg  
35 40 45  
Ala Pro Leu Lys Val Thr Lys Lys Met Asp Ala Lys Lys Val Thr Lys  
50 55 60  
Arg Thr Lys Val Lys Pro Phe Val Lys Leu Val Asn Tyr Asn His Leu

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<400> 334
Met Asn Arg Leu Phe Gly Thr Lys Ser Thr Ala Pro Lys Pro Ser Leu
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Asn Asp Ala Ile Lys Gly Ile Asp Glu Arg Val Gly Ser Leu Asp Val
      20             25             30
Lys Leu Ser Lys Ile Asn Ser Glu Leu Ser Thr Tyr Gln Gln Lys Ile

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341

35	40	45
Ser Arg Met Arg Asp Gly Pro Gly Lys Ser Ala Leu Lys Gln Lys Ala		
50	55	60
Ile Lys Leu Leu Arg Gln Arg Lys Gln Ile Glu Ala Gln Lys Asp Gln		
65	70	75
Leu Glu Asn Gln Ser Trp Asn Met Thr Gln Ala Ser Met Thr Thr Asp		
	85	90
Asn Leu Gln Asn Thr Met Val Thr Ile Asn Ala Met Lys Thr Ala Asn		
	100	105
Lys Ser Leu Lys Gln Thr Tyr Gly Lys Ile Asn Ile Asp Glu Leu Glu		
	115	120
Asp Leu Gln Asp Glu Met Leu Asp Leu Ile Asp Lys Ser Asn Glu Leu		
	130	135
Gln Glu Ala Leu Ser Thr Ser Tyr Asp Val Pro Asp Asp Ile Ser Glu		
	145	150
Ser Glu Leu Asp Ala Glu Leu Glu Ala Leu Gly Glu Glu Ile Asp Phe		
	165	170
Glu Asn Glu Met Ala Glu Ser Gly Ile Gly Ala Pro Ser Tyr Leu Asn		
	180	185
Asp Thr Glu Pro Thr Ala Ala Asp Lys Leu Pro Thr Phe Ile Asp Glu		
	195	200
Gln Pro Glu Glu Ala Gln Lys Ile Ala Asn		
	210	215

&lt;210&gt; 335

&lt;211&gt; 4550

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 335

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aacaattacc	aagtcctgct	gaatcaaaag	aggagaaaac	aaaaagttca	tttttcagat	4200
ggttttcgtc	atctaatact	ccatctgctg	ctgaaattag	aaaattcaac	accattttac	4260

343

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ctaaacatga aatgtctact gctttatttg ctttattgaa ttcttggtct aattttgggt 4320
tgaaagattt acggaatgat caagttggat attatattac tgggtgctatt tctaaacata 4380
attcttttaa tttaaagagt tgtaaattta gaattaagat taatcaaaga gattttaatc 4440
aaaaatcaga aattgtttgt gttagagtga aaggatctaa agttacaact gatactttat 4500
tttgtgaaat tgaaaagggtc ttactcaaag aagggtggtt agataaataa 4550

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&lt;210&gt; 336

&lt;211&gt; 1349

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 336

```

Met Pro His Ser Arg Gln Pro Ser Ile Ser Ser Ser Ile Met Ser Gln
  1              5              10              15

Ser Asn His Asn His Pro Gln Lys Ile Gly Pro Trp Lys Leu Gly Lys
      20              25              30

Thr Leu Gly Arg Gly Ala Thr Gly Arg Val Leu Leu Ala Thr His Gln
      35              40              45

Thr Thr Gly Gln Lys Ala Ala Val Lys Val Val Ser Lys Ser Glu Leu
  50              55              60

Gln Asp Glu Glu Thr Glu Lys Asn Gly Asp Gly Leu Pro Tyr Gly Ile
  65              70              75              80

Glu Arg Glu Ile Ile Ile Met Lys Leu Leu Thr His Pro Asn Val Leu
      85              90              95

Arg Leu Tyr Asp Val Trp Glu Thr Ser Lys Ala Leu Tyr Leu Val Leu
      100              105              110

Glu Tyr Val Glu Gly Gly Glu Leu Phe Asp Leu Leu Val Glu Arg Gly
      115              120              125

Pro Leu Pro Glu Val Glu Ala Ile Lys Tyr Phe Arg Gln Ile Ile Leu
      130              135              140

Gly Thr Ala Tyr Cys His Ala Leu Gly Ile Cys His Arg Asp Leu Lys
      145              150              155              160

Pro Glu Asn Leu Leu Leu Asp Ser Gln Leu Asn Val Lys Leu Ala Asp
      165              170              175

Phe Gly Met Ala Ala Leu Glu Ser Asn Gly Lys Leu Leu Glu Thr Ser
      180              185              190

Cys Gly Ser Pro His Tyr Ala Ala Pro Glu Ile Val Ser Gly Leu Lys
      195              200              205

Tyr His Gly Ala Ala Ser Asp Val Trp Ser Cys Gly Val Ile Leu Phe
      210              215              220

Ala Leu Leu Thr Gly Arg Leu Pro Phe Asp Asp Glu Asn Ile Arg Asn
      225              230              235              240

```

Leu Leu Leu Lys Val Gln Ala Gly Asn Phe Glu Met Pro Val Asp Glu  
 245 250 255  
 Val Ser Arg Glu Ala Arg Asp Leu Ile Ala Arg Met Leu Glu Val Asp  
 260 265 270  
 Pro Met Arg Arg Ile Ser Thr Glu Lys Ile Leu Arg His Pro Leu Leu  
 275 280 285  
 Thr Lys Tyr Pro Met Ser Asn Glu Asp Leu Ile Ser Glu Lys Ser Leu  
 290 295 300  
 Pro His Pro His Thr Gly Tyr Lys Ser Leu Gly Ser Val Arg Asn Ile  
 305 310 315 320  
 Asp Lys Gln Ile Leu Ser Asn Leu Thr Ile Leu Trp Asn Asp Arg Pro  
 325 330 335  
 Glu Glu Glu Ile Val Asp Cys Leu Leu Lys Asp Gly Ser Asn Pro Glu  
 340 345 350  
 Lys Thr Phe Tyr Ala Leu Leu Met Arg Tyr Lys His Asn Gln Asp Asp  
 355 360 365  
 Asn Thr Asn Asn Asn Ser Pro Lys Lys Ser Thr Ser Phe Asn Asn Lys  
 370 375 380  
 Val Val Arg Ser Gly Ser Lys Tyr Ser Leu Asn Gly Thr Pro Arg Arg  
 385 390 395 400  
 Lys Arg Ala Ser His Ile Ser Val Ser Arg Pro Thr Ser Phe Gln Tyr  
 405 410 415  
 Lys Ser Asn Pro Gly Ala Gly Ala Thr Ala Asn Arg Asn Ser Val Ala  
 420 425 430  
 Arg His Ser Val Ala Ser Ser Ala Asn Asn Ser Pro Arg Lys Ser Pro  
 435 440 445  
 Tyr Lys Ser Pro Tyr Arg Ser Pro Tyr Arg Ser Pro Tyr Lys Ser Pro  
 450 455 460  
 Ser Lys Arg Tyr Ser Tyr Asn Gln Ser Pro Thr Lys Ser Pro Tyr Gly  
 465 470 475 480  
 Arg Arg Ser Asn Ser Gln Arg Gln Phe Glu Asn Glu Pro Leu Lys Ala  
 485 490 495  
 Lys Pro Arg Asn Ile Tyr Asn Glu Ile Val Asp Ala Gln Ser Asn Phe  
 500 505 510  
 Ser Leu Pro Pro Ser Leu Pro Pro Ser Leu Pro Ser Lys Asp Ser Arg  
 515 520 525  
 Tyr Met Ile Asp Glu Pro Asn Gln Pro Gln Leu Gln Gln Pro Ala Leu  
 530 535 540

Ser Gln Val Pro Glu Asn Pro Ile Val Asp Glu Ser Pro Asp Leu Met  
 545 550 555 560  
 Gln Ser Ala Lys Ile Ser Ser Gly Lys Arg Asn Ser Ile Ile Gly Lys  
 565 570 575  
 Asn Asn Asn Asn Ser Asn Ser Asn Lys Arg Met Ser Lys Arg Lys Ser  
 580 585 590  
 Ile Arg Ala Ser Met Thr Thr Gly Leu Lys Arg Asn Ser Ile Thr Met  
 595 600 605  
 Lys Leu Leu Ser Thr Tyr Ala Lys Leu Ser Gly Asp Asp Asp Trp Glu  
 610 615 620  
 Tyr Met Asp Lys Gln Thr Lys Arg Thr Ser Ala Thr Phe Ala Ala Leu  
 625 630 635 640  
 Cys Asp Lys Ile Phe Asn Gln Glu Asp Tyr Asp Glu Glu Asp Glu Gln  
 645 650 655  
 Leu Val Asp Pro Glu Glu Lys Glu Ala Lys Glu Tyr Glu Arg Leu Met  
 660 665 670  
 Glu Leu Glu Arg Lys Lys His Glu Ala Glu Leu Lys Ala Arg Arg Glu  
 675 680 685  
 Leu Glu Lys Lys Lys Arg Arg Gln Lys Arg Arg Ser Ile Leu Ser Ser  
 690 695 700  
 Lys Lys Leu Ser Ile Ile Val Lys Asn Asp Ala Asp Pro Asn Asn Ser  
 705 710 715 720  
 Glu Gln Glu Leu Val Asp Glu Gly Ile Lys Gln Pro Lys Arg Gln Ser  
 725 730 735  
 Lys Asn Leu Thr Ala Leu Arg Ala Leu Ser Glu Gly Asn His Ala Ser  
 740 745 750  
 Glu Glu Leu Thr Leu Glu Asp Val Glu Asn Leu Lys Arg Arg Ser Ala  
 755 760 765  
 Ser Gln Pro Val Pro Lys Arg Arg Gln Thr Pro Val Leu Thr Arg Arg  
 770 775 780  
 Pro Val Ser Arg Leu Asp Pro Leu Trp Gln Ala His Glu Asn Glu Gln  
 785 790 795 800  
 Leu Asp Arg Ala Lys Asp Ala Leu Glu Gln Glu Trp Arg Asp Ser Gln  
 805 810 815  
 Lys Arg Ser Ser Thr Val Ser Arg Lys Lys Val Asn Arg Glu Ser Met  
 820 825 830  
 Ile Ser Val Met Asp Asp Ile Val Glu Glu Asp Gln Gly Arg Val Asn  
 835 840 845

Arg Arg Ser Thr Arg Asn Thr Tyr Tyr Glu Arg Glu Arg Asp Tyr Glu  
 850 855 860  
 Leu Pro Glu Pro Thr Val Glu Asp Ser Asn Leu Thr Asp Asp Tyr Met  
 865 870 875 880  
 Thr Glu Ile Arg Lys Ser Arg Leu Leu Asn Ser Gln Leu Asn Val Arg  
 885 890 895  
 Asp Pro Leu Asn Glu Lys Arg Lys Ser Glu Pro Lys Thr Leu Ile Ser  
 900 905 910  
 Asn Val Gln Ile Pro Ser Val Thr Arg Lys Ser Arg Asn Phe Thr Thr  
 915 920 925  
 Ser Asn Lys Arg Leu Ser Val Leu Ser Met Tyr Ser Thr Lys Glu Ser  
 930 935 940  
 Tyr Arg Asp Leu Asn Ser Ile Ile Asn Ser Pro Asp Glu Asn Pro Glu  
 945 950 955 960  
 Gln His Gln Asn Met Asn Lys Pro Ala Leu Arg Thr Ser Ile Ala Asp  
 965 970 975  
 Arg Leu Asp Lys Ala Gly Leu Ala Glu Pro Glu Tyr Glu Thr Glu Thr  
 980 985 990  
 Asp Gly Glu Asp Lys Val Ser Val Ile Asp Leu Asp Asp His Leu Ala  
 995 1000 1005  
 Asp Arg Arg Thr Ser Tyr Tyr Asp Gly Ser Gly Lys Arg Ala Ser Arg  
 1010 1015 1020  
 Ala Ser Thr Thr Lys Arg Tyr Asn Val His Ser Ser Ser Glu Lys Arg  
 1025 1030 1035 1040  
 Pro Lys Ser Lys Val Pro Asp Leu Pro Lys Asn Asp Tyr Asp Asp Thr  
 1045 1050 1055  
 Phe Val Ser Asn Ser Asp Glu Val His Lys Arg Gln Tyr Lys Ser Met  
 1060 1065 1070  
 Val Ser Asp Glu Ser Ser Ala Ser Asp Asp Val Phe Asp Lys Ile Lys  
 1075 1080 1085  
 Leu Pro Asp Gly Lys Ser Thr Lys Ser Ser Ile Asp Glu Leu Ala Asn  
 1090 1095 1100  
 Gly Thr Ser Thr Ser Gly His Arg Lys Pro Lys Ile Arg His Ser Gln  
 1105 1110 1115 1120  
 Pro Gly Pro Glu Met Leu Ile Pro His Leu Asn Gly Gly Ile Glu Ser  
 1125 1130 1135  
 Ser Gln Pro Met Ser Lys Val Arg Gly Asn Asn Ser Ser Gly His Asp  
 1140 1145 1150

347

Asp Ser Val Pro Pro Pro Pro Pro Ala His Lys Val Asn Lys Lys Pro  
 1155 1160 1165  
 Leu Asp Asp Lys Thr Asn Phe Pro Pro Pro Glu Val Asp Pro Lys Arg  
 1170 1175 1180  
 Lys Gly Ser Phe Phe Arg Lys Leu Ser Trp Gly Ser Lys Lys Thr Ile  
 1185 1190 1195 1200  
 Glu Asn Asn Thr Asn Ala Ala Thr Asn Thr Thr Thr Gln Gln Gln Leu  
 1205 1210 1215  
 Pro Ser Pro Ala Glu Ser Lys Glu Glu Lys Pro Lys Ser Ser Phe Phe  
 1220 1225 1230  
 Arg Trp Phe Ser Ser Ser Asn Thr Pro Ser Ala Ala Glu Ile Arg Lys  
 1235 1240 1245  
 Phe Asn Thr Ile Leu Pro Lys His Glu Met Ser Thr Ala Leu Phe Ala  
 1250 1255 1260  
 Leu Leu Asn Ser Trp Ser Asn Phe Gly Leu Lys Asp Leu Arg Asn Asp  
 1265 1270 1275 1280  
 Gln Val Gly Tyr Tyr Ile Thr Gly Ala Ile Ser Lys His Asn Ser Phe  
 1285 1290 1295  
 Asn Leu Lys Ser Cys Lys Phe Arg Ile Lys Ile Asn Gln Arg Asp Phe  
 1300 1305 1310  
 Asn Gln Lys Ser Glu Ile Val Cys Val Arg Val Lys Gly Ser Lys Val  
 1315 1320 1325  
 Thr Thr Asp Thr Leu Phe Cys Glu Ile Glu Lys Val Leu Leu Lys Glu  
 1330 1335 1340  
 Gly Gly Leu Asp Lys  
 1345

&lt;210&gt; 337

&lt;211&gt; 1121

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 337

acaatactag gcactgttga gtgagtgagc attttttctg tttctcactc agttaacaaa 60  
 ataaaaaaaa ttttcataat ttagaagttt catttacagt cttttttcaa ttaacagtga 120  
 tacaagagtg tatgtaaaga caacatgtac tagcaactat aatatgattt accaatgatt 180  
 gggatcacaa taaatgtgtt aatatgaatg agagaaggat agtgaataag agattacgaa 240  
 agaatagatt caacaagttc agaatggtat acaactaaaa tggaattatt ttcaaatatg 300  
 caactatcat tatgactact acgacaacaa ttttaatcga gagaagatca ttagatcaag 360  
 agttgggaaa ctaataccaa ggaaatatca ttaagaatta atagctttgc aaaaattggt 420  
 ttactcata ttatttggtt tagttggaaa gcgattacat catggaacaa agtttactaa 480  
 caacattggt ataggtaaaa atgggtatct cttagagattc acgtcacaaa agatccgcca 540

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ctgggtgccaa aagagcccaa ttcagaaaga agagaaagtt tgaattaggt agacaaccag 600
ccaacaccaa gattgggtcca aaaagaattc actctgtcag aaccagaggt ggtaacccaa 660
aattcagagc tttgagagtt gaaaccggta acttctcttg gggttccgaa ggtgtttcca 720
gaaaaaccag aattgctggt gtcgtttacc atccatctaa taacgaattg gttagaacca 780
acaccttgac caaatctgct gttgttcaaa ttgatgctac tccattcaga caatggtagc 840
aaaaccacta cgggtgctact ttaggtaaaa agaaggggtg tgctcatgct gctcacgctg 900
ctgaagttgc cgatgccaaag agatcaagaa aagtcgaaag aaaattggct gctagatctg 960
gtgctgctgc cattgaatcc gctgttgact ctcaattcgg ttctggtaga ttatacgctg 1020
tcatttcttc aagaccaggt caatctggta gatgtgatgg ttacatcttg gaaggtgaag 1080
aattagcctt ctacttgaga agattaactg ctaagaaata a 1121

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&lt;210&gt; 338

&lt;211&gt; 206

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 338

```

Met Gly Ile Ser Arg Asp Ser Arg His Lys Arg Ser Ala Thr Gly Ala
  1             5             10             15

Lys Arg Ala Gln Phe Arg Lys Lys Arg Lys Phe Glu Leu Gly Arg Gln
          20             25             30

Pro Ala Asn Thr Lys Ile Gly Pro Lys Arg Ile His Ser Val Arg Thr
      35             40             45

Arg Gly Gly Asn Gln Lys Phe Arg Ala Leu Arg Val Glu Thr Gly Asn
  50             55             60

Phe Ser Trp Gly Ser Glu Gly Val Ser Arg Lys Thr Arg Ile Ala Gly
  65             70             75             80

Val Val Tyr His Pro Ser Asn Asn Glu Leu Val Arg Thr Asn Thr Leu
          85             90             95

Thr Lys Ser Ala Val Val Gln Ile Asp Ala Thr Pro Phe Arg Gln Trp
      100             105             110

Tyr Glu Asn His Tyr Gly Ala Thr Leu Gly Lys Lys Lys Gly Gly Ala
      115             120             125

His Ala Ala His Ala Ala Glu Val Ala Asp Ala Lys Arg Ser Arg Lys
      130             135             140

Val Glu Arg Lys Leu Ala Ala Arg Ser Gly Ala Ala Ala Ile Glu Ser
      145             150             155             160

Ala Val Asp Ser Gln Phe Gly Ser Gly Arg Leu Tyr Ala Val Ile Ser
          165             170             175

Ser Arg Pro Gly Gln Ser Gly Arg Cys Asp Gly Tyr Ile Leu Glu Gly
      180             185             190

Glu Glu Leu Ala Phe Tyr Leu Arg Arg Leu Thr Ala Lys Lys
      195             200             205

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349

<210> 339  
 <211> 819  
 <212> DNA  
 <213> *Candida albicans*

<400> 339  
 ttctcctgtg aaaagtttcg agatgtaacg tttcgcagta atagagagcc agaatccatt 60  
 tttgtgtact acagacaaat tcagaagttt caactgctgc atatcgcctt aaatgactgt 120  
 agcattcgtc caaattgaga ccctcaatta cattttgtca aaaaaattgg tccctagtgt 180  
 tgctatcgat aacgaagggtg aaggcagttt agcttggaga catttagaga acttagttac 240  
 atctcatctt ccgtttcgag aaatcgttga tttaccgtgc agcgcttata ttgattgcta 300  
 cttgttccca gcaccacagc aatatagcaa tcataaataa attgccccgc ggttgacagt 360  
 gtatatcttc gaggaatggc aacctttgcc cccctctcga aaaacaatat aaatagagtc 420  
 aatttctcta gtagaggtaa attctttgaa tcttggtttt tttcgacata caccataaat 480  
 cccatagaaa actgcaaaat gtctgacgcc ggaagaaaaa acatttctac taaaatcaac 540  
 gaagctataa cccccgaatc cgaaaagtct accttggaaa agggcaagga acaagtcacc 600  
 agtacccttg acaaagctgt tggctcaaat gttccagata accaaaaatc tttcactcaa 660  
 actgttgtag acagcgtgca acaaggttcc gataatgcta aagctgattt gaagaaacaa 720  
 tccgaacaag cagagggcga acaaagacct ttgctgaaac agctcaagaa tatgtcgagg 780  
 ttgccaaaac tgaaattgga aaggctgctg aatacgtga 819

<210> 340  
 <211> 106  
 <212> PRT  
 <213> *Candida albicans*

<400> 340  
 Met Ser Asp Ala Gly Arg Lys Asn Ile Ser Thr Lys Ile Asn Glu Ala  
           1                  5                  10                  15  
 Ile Thr Pro Glu Ser Glu Lys Ser Thr Leu Glu Lys Gly Lys Glu Gln  
                   20                  25                  30  
 Val Thr Ser Thr Leu Asp Lys Ala Val Gly Ser Asn Val Pro Asp Asn  
                   35                  40                  45  
 Gln Lys Ser Phe Thr Gln Thr Val Ala Asp Ser Val Gln Gln Gly Ser  
           50                  55                  60  
 Asp Asn Ala Lys Ala Asp Leu Lys Lys Gln Ser Glu Gln Ala Glu Gly  
           65                  70                  75                  80  
 Glu Gln Arg Pro Leu Ser Lys Gln Leu Lys Asn Met Ser Arg Leu Pro  
                   85                  90                  95  
 Lys Ser Lys Leu Glu Arg Ser Ser Asn Thr  
           100                  105

<210> 341  
 <211> 884  
 <212> DNA  
 <213> *Candida albicans*

350

<400> 341  
 ccttctcctg tgaaaagttt cgagatgtaa cgtttcgcag taatagagag ccagaatcca 60  
 tttttgtgta ctacagacaa attcagaagt ttcaactgct gcatatcgcc ttaaatgact 120  
 gtagcattcg tccaaattga gaccctcaat tacattttgt caaaaaaatt ggtccctagt 180  
 gttgctatcg ataacgaagg tgaaggcagt ttagcttgga ggcatttaga gaacttagtt 240  
 acatctcatc ttccgtttcg agaaatcggt gatttaccgt gcagcgctta tattgattgc 300  
 tacttgttcc cagcaccaca gcaatatagc aatcataaat aaattgcccc gcggttgaca 360  
 gtgtatatct tcgaggaatg gcaacctttg cccccctctc gaaaaacaat ataaatagag 420  
 tcaatttctc tagtagaggt aaattctttg aatcttgttt tttttcgaca aacaccataa 480  
 atcccataga aaactgcaaa atgtctgacg ccggaagaaa aaacatttct actaaaatca 540  
 acgaagctat aacccccgaa tccgaaaagt ctaccttgga aaagggaag gaacaagtca 600  
 ccagtaccct tgacaaagct gttggctcaa atgttccaga taaccaaaaa tctttcactc 660  
 aaactggtgc agacaacgtg caacaagggt ccgataatgc taaagctgat ttgaagaaac 720  
 aatccgaaca agcagagggc gaagcaaaga cccttgctga aacagctcaa gaatatgtcg 780  
 aggttgccaa aactgaaatt ggaaaggctg ctgaatacgt gagtggagtt gtcaccggtg 840  
 ctaccgaagg tgccaaaacc ggcgctgata gtactaaaaa atag 884

<210> 342  
 <211> 127  
 <212> PRT  
 <213> Candida albicans

<400> 342  
 Met Ser Asp Ala Gly Arg Lys Asn Ile Ser Thr Lys Ile Asn Glu Ala  
 1 5 10 15  
 Ile Thr Pro Glu Ser Glu Lys Ser Thr Leu Glu Lys Gly Lys Glu Gln  
 20 25 30  
 Val Thr Ser Thr Leu Asp Lys Ala Val Gly Ser Asn Val Pro Asp Asn  
 35 40 45  
 Gln Lys Ser Phe Thr Gln Thr Val Ala Asp Asn Val Gln Gln Gly Ser  
 50 55 60  
 Asp Asn Ala Lys Ala Asp Leu Lys Lys Gln Ser Glu Gln Ala Glu Gly  
 65 70 75 80  
 Glu Ala Lys Thr Leu Ala Glu Thr Ala Gln Glu Tyr Val Glu Val Ala  
 85 90 95  
 Lys Thr Glu Ile Gly Lys Ala Ala Glu Tyr Val Ser Gly Val Val Thr  
 100 105 110  
 Gly Ala Thr Glu Gly Ala Lys Thr Gly Ala Asp Ser Thr Lys Lys  
 115 120 125

<210> 343  
 <211> 1244  
 <212> DNA  
 <213> Candida albicans

<400> 343

```

gaagggcacc ataatgaaat cgactcactt caggattata atggtatgaa acattgtact 60
tggtattagt gccaggatga ttaggatcat atattggggt gttttctcga gtcttggtat 120
cggttgtaaa cgtatctgtt tcacttatca gtatcgtcac ttatattaac tactttttctc 180
ctatgggttat atattggtaa acaaagaaac aaaacaacaa aaaagaagta gtagttttga 240
aaattgtcaa taaaagaaac aaagaatgaa agaattgattg aatgaaagaa aaaaaaata 300
tgaaagtgag tgcgacataa tgtagaaaaa tgtcgaatgt cttgaacttt acccattgag 360
tagttgttgt agtgtaggag gaagaaaaca acagaaagaa agagagaaag aaaaatttcg 420
ccactacaaa tattcaacaa gtttcatata gtaatatataat cccaattgat cattacttta 480
ttccacacaa ttcataaaca atgtccaatt cagcagggttt tgatagacat atcactattt 540
tttctcctga aggtagatta taccaagtag aatatgcttt taaagctatc aattcagcaa 600
atatcaccag tttaggaatc acagggtcaag attctgccgt tattatatca caaaagaaga 660
tcccagataa gttattagat cctaaaaccg tgtcatatat ttttaaaatc actcctagta 720
taggaatggt tgccactgga tcaattgctg atgctagagc tcaagccatg agagcaagat 780
ctgaagctac agaattttaga tataaatatg gttacgaaat gccggtggaa agtttatcaa 840
gaagaatggc gaatatatct caattgtata ctcaaagagc ttatatgaga ccattgggtg 900
ttgctttaac ttttattcaa gttgattttg ctgatgaagg tagagggtcca caaattttta 960
aatgtgatcc tgctggatat ttcactgggg tgaaagccgt ggccactggt ccaaaacaac 1020
aagaagcaac gacttattta gagaaaaaat tcaaaaaaac cgatgctgtt aaaggagatt 1080
ggcaaaaaac tgttgaaatt gcaataattg ccttgagttc tgtgattgga actgaattca 1140
gaaaaaatga tattgaaatt ggtgttgcca ctgaaggaga atttagaatt ttgacaccag 1200
aagaaataga cgaaagattg atttcaatag ctgaacaaga ttag 1244

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&lt;210&gt; 344

&lt;211&gt; 247

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 344

```

Met Ser Asn Ser Ala Gly Phe Asp Arg His Ile Thr Ile Phe Ser Pro
  1                      5                      10                     15

Glu Gly Arg Leu Tyr Gln Val Glu Tyr Ala Phe Lys Ala Ile Asn Ser
      20                      25                     30

Ala Asn Ile Thr Ser Leu Gly Ile Thr Gly Gln Asp Ser Ala Val Ile
      35                      40                     45

Ile Ser Gln Lys Lys Ile Pro Asp Lys Leu Leu Asp Pro Lys Thr Val
      50                      55                     60

Ser Tyr Ile Phe Lys Ile Thr Pro Ser Ile Gly Met Val Ala Thr Gly
      65                      70                     75                     80

Ser Ile Ala Asp Ala Arg Ala Gln Ala Met Arg Ala Arg Ser Glu Ala
      85                      90                     95

Thr Glu Phe Arg Tyr Lys Tyr Gly Tyr Glu Met Pro Val Glu Ser Leu
      100                     105                    110

Ser Arg Arg Met Ala Asn Ile Ser Gln Leu Tyr Thr Gln Arg Ala Tyr
      115                     120                    125

Met Arg Pro Leu Gly Val Ala Leu Thr Phe Ile Gln Val Asp Phe Ala
      130                     135                    140

Asp Glu Gly Arg Gly Pro Gln Ile Phe Lys Cys Asp Pro Ala Gly Tyr

```

352

145	150	155	160
Phe Thr Gly Val Lys Ala Val Ala Thr Gly Pro Lys Gln Gln Glu Ala	165	170	175
Thr Thr Tyr Leu Glu Lys Lys Phe Lys Lys Thr Asp Ala Val Lys Gly	180	185	190
Asp Trp Gln Lys Thr Val Glu Phe Ala Ile Ile Ala Leu Ser Ser Val	195	200	205
Ile Gly Thr Glu Phe Arg Lys Asn Asp Ile Glu Ile Gly Val Ala Thr	210	215	220
Glu Gly Glu Phe Arg Ile Leu Thr Pro Glu Glu Ile Asp Glu Arg Leu	225	230	235
Ile Ser Ile Ala Glu Gln Asp	245		

<210> 345  
 <211> 968  
 <212> DNA  
 <213> Candida albicans

<400> 345  
 cattgtaggt acacctgttt ttgctcaatg tacacacaca cgcaccagca gtaggaaaaa 60  
 aaacaaaatt aaatgaaaaa tcattttcgt tcaatattaa gcttcttaag ataaccaacc 120  
 aattaatatg tatgtgacat accatataaa taaagctaca aatggggata actatgtatt 180  
 taatgataaa tgaatggaag accagaatgt ataatgttat aagatagtga tttatattga 240  
 aaacaccctt aaaaaaatca accacccatc taaccgtcga attggaaatg tcaatttagt 300  
 tagcatcgaa aatcaacaaa gacatgggga atcattttaca tataaaataa tgagagagaa 360  
 ttacaaaactg ctacgttatg ttttgttcat tatgtcttgt tcattatgtc ttgttcatta 420  
 tgtcaaaaaa tctatagtta cctacctcta catcaattta tggctcgaaa tactaacatt 480  
 ttttttattt atagtgaata atgaagattg aagttgactc cttttcagggt tctaaaatct 540  
 acccaggtag aggtacttta tttgtcagag gtgactctaa aattttttaga ttccaatcct 600  
 caaaatctgc ttctttattc caacaaagaa agaaccgaag aagaatttct tggactgttt 660  
 tgtacagaag acaccacaaa aaaggtatatt ctgaagaagc tgctaaaaag agaaccagaa 720  
 agaccgtcaa gcaccaaaga gctattgtcg gtgcttcttt ggaattgatc aaagaaagaa 780  
 gaagtcaaaa accatctgac agaaaagctg ctagagactc taaattagct aaagacaaag 840  
 aagctaaaaa agctgctaaa gctgccagaa aagctgaaaa ggctaaggct gttgcttctg 900  
 gtgcttctgt tgtttctaaa caacaagcta aaggttcttt ccaaaaagtt aaagctacct 960  
 cccgttaa 968

<210> 346  
 <211> 155  
 <212> PRT  
 <213> Candida albicans

<400> 346  
 Met Lys Ile Glu Val Asp Ser Phe Ser Gly Ser Lys Ile Tyr Pro Gly  
 1 5 10 15  
 Arg Gly Thr Leu Phe Val Arg Gly Asp Ser Lys Ile Phe Arg Phe Gln

353

20	25	30
Ser Ser Lys Ser Ala Ser Leu Phe Gln Gln Arg Lys Asn Pro Arg Arg		
35	40	45
Ile Ser Trp Thr Val Leu Tyr Arg Arg His His Lys Lys Gly Ile Ser		
50	55	60
Glu Glu Ala Ala Lys Lys Arg Thr Arg Lys Thr Val Lys His Gln Arg		
65	70	75
Ala Ile Val Gly Ala Ser Leu Glu Leu Ile Lys Glu Arg Arg Ser Gln		
85	90	95
Lys Pro Ser Asp Arg Lys Ala Ala Arg Asp Ser Lys Leu Ala Lys Asp		
100	105	110
Lys Glu Ala Lys Lys Ala Ala Lys Ala Ala Arg Lys Ala Glu Lys Ala		
115	120	125
Lys Ala Val Ala Ser Gly Ala Ser Val Val Ser Lys Gln Gln Ala Lys		
130	135	140
Gly Ser Phe Gln Lys Val Lys Ala Thr Ser Arg		
145	150	155

&lt;210&gt; 347

&lt;211&gt; 1418

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 347

aatctaccat	taggcaatgt	catataat	agattacgaa	cagctgatga	cgcagtttca	60
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354

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1418

&lt;210&gt; 348

&lt;211&gt; 305

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 348

Met	Asp	Thr	Lys	Glu	Ile	Arg	Ser	Thr	Val	Ser	Asn	Leu	Glu	Lys	Ala
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Val	Asp	Asp	Thr	Thr	Ile	Leu	Lys	Leu	Leu	Asn	Ile	Leu	Asn	Asp	Gly
			20					25					30		
Val	Lys	Pro	Ser	Glu	Lys	Leu	Leu	Arg	Glu	Thr	Lys	Val	Gly	Val	Ala
		35					40					45			
Val	Asn	Lys	Phe	Arg	Ser	His	Asp	Ser	Ala	Glu	Ile	Asn	Gly	Leu	Val
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Lys	Lys	Met	Ile	Arg	Asn	Trp	Arg	Asp	Ala	Val	Gln	Ala	Glu	Lys	Asn
65					70				75						80
Asn	Lys	Lys	Lys	Leu	Ala	Ile	Ala	Ala	Gly	Thr	Gly	Thr	Gly	Thr	Pro
				85					90					95	
Ser	Ser	Ser	Ala	Ile	Ser	Pro	Ser	Ser	Ser	Gly	Ser	Gly	Ser	Thr	Thr
			100					105					110		
Pro	Lys	Pro	Ser	Glu	Ser	Thr	Thr	Pro	Ser	Ala	Ala	Arg	Lys	Gly	Pro
		115					120					125			
Arg	Asn	Pro	Lys	Thr	Asp	Gly	Val	Asn	Thr	Gln	Leu	Tyr	Glu	Asn	Asp
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Thr	Arg	Asn	Ala	Ser	Val	Ser	Ala	Leu	Tyr	Thr	Ser	Leu	Ala	Val	Asp
145					150					155					160
Arg	Asp	Asp	Ser	Pro	Lys	His	Ile	Leu	Arg	Ile	Ala	Ile	Glu	Ile	Glu
				165					170					175	
Ala	Glu	Val	Tyr	Lys	Ser	Glu	Tyr	Ser	Lys	Val	Ser	Asp	Ser	Tyr	Arg
			180					185					190		
Asn	Arg	Leu	Arg	Ser	Phe	Thr	Met	Asn	Leu	Arg	Asn	Lys	Lys	Asn	Pro
		195					200					205			
Glu	Leu	Arg	Glu	Arg	Ile	Leu	Ser	Lys	Gln	Ile	Leu	Pro	Ala	Ala	Phe
	210					215					220				
Ile	Lys	Met	Thr	Pro	Asn	Glu	Met	Ala	Pro	Glu	Ala	Leu	Lys	Lys	Glu
225					230					235					240
Ile	Glu	Lys	Leu	His	Lys	Gln	Asn	Leu	Phe	Asp	Ala	Gln	Gly	Ala	Thr
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355

Glu Lys Arg Ala Val Thr Asp Arg Phe Thr Cys Gly Lys Cys Lys His  
                   260                                  265                                  270

Lys Lys Val Ser Tyr Tyr Gln Met Gln Thr Arg Ser Ala Asp Glu Pro  
                   275                                  280                                  285

Leu Thr Thr Phe Cys Thr Cys Glu Asn Cys Gly Asn Arg Trp Lys Phe  
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Ser  
 305

<210> 349  
 <211> 1301  
 <212> DNA  
 <213> Candida albicans

<400> 349  
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 aaaatttttt aaactgaata tcagaataga cacaacacaa cagatccaga gtcattatca 720  
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<210> 350  
 <211> 149  
 <212> PRT  
 <213> Candida albicans

<400> 350  
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                   20                                  25                                  30

Gly Lys Ala Gly Gly Gln His His His Arg Thr Asn Leu Asp Lys Tyr

356

35	40	45
His Pro Gly Tyr Phe Gly Lys Val Gly Met Arg Tyr Phe His Lys Gln		
50	55	60
Gln Asn His Phe Trp Arg Pro Glu Ile Asn Leu Asp Lys Leu Trp Thr		
65	70	75
Leu Val Asp Ser Glu Lys Lys Asp Glu Tyr Leu Ser Lys Ser Ser Ala		
85	90	95
Ser Ala Ala Pro Val Ile Asp Thr Leu Ala His Gly Tyr Gly Lys Val		
100	105	110
Leu Gly Lys Gly Arg Leu Pro Glu Val Pro Val Ile Val Lys Ala Arg		
115	120	125
Phe Val Ser Lys Leu Ala Glu Lys Ile Arg Ala Val Gly Gly Val		
130	135	140
Val Glu Leu Val Ala		
145		

<210> 351  
 <211> 423  
 <212> DNA  
 <213> Candida albicans

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 tttgtttatg cgcatttccc aattaacggt aacattatta aaaaagatgg tcaagattac 180  
 gttgaaatta gaaatttctt gggtgaaaaa agagtttagag aagttaaaat ccatgaagggt 240  
 gtcaccatgg aaatttcttc tactcaaaaag gatgaattga ttgtttcttg taactccttg 300  
 gaagctgttt ctcaaaatgc tgctgatatt caacaaatct gtcgtgtcag aaacaaggat 360  
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 taa 423

<210> 352  
 <211> 140  
 <212> PRT  
 <213> Candida albicans

<400> 352
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20 25 30
Lys Gly Tyr Lys Tyr Lys Met Arg Phe Val Tyr Ala His Phe Pro Ile
35 40 45
Asn Val Asn Ile Ile Lys Lys Asp Gly Gln Asp Tyr Val Glu Ile Arg



357

50	55	60
Asn Phe Leu Gly Glu Lys Arg Val Arg Glu Val Lys Ile His Glu Gly		
65	70	75 80
Val Thr Met Glu Ile Ser Ser Thr Gln Lys Asp Glu Leu Ile Val Ser		
	85	90 95
Gly Asn Ser Leu Glu Ala Val Ser Gln Asn Ala Ala Asp Ile Gln Gln		
	100	105 110
Ile Cys Arg Val Arg Asn Lys Asp Ile Arg Lys Phe Leu Asp Gly Ile		
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Tyr Val Ser Glu Arg Gly Thr Ile Val Glu Glu Ile		
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<210> 353  
 <211> 1655  
 <212> DNA  
 <213> Candida albicans

<400> 353

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<210> 354  
 <211> 384

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Ser	Asp	Ile	Leu 20	Gly	Val	Ala	Ile	Thr 25	Asn	Lys	Phe	Thr	Val 30	Ser	Val
Ser	Ser	Asp 35	Gly	Tyr	Ala	Lys	Phe 40	Trp	Asp	Asn	Lys	Gln 45	Asp	Glu	Val
His	Ser 50	Pro	Lys	Glu	Phe	Val 55	Gln	Ser	Val	Phe	Ile 60	Asp	Lys	Ser	Gly
Ile 65	His	Ala	Val	Ala	Ala 70	Tyr	Glu	Asn	Val	Leu 75	Pro	Ser	Ser	Thr	Leu 80
Lys	Val	Thr	Leu	Leu 85	Ala	Phe	Ala	Cys	Phe 90	Asn	Gly	Ser	Ile	Ile 95	Phe
Arg	Tyr	Tyr	Ile 100	Asn	Asp	Asp	Phe	Ser 105	Thr	Ile	Glu	Ser	Leu 110	Thr	Asp
Asp	Ile 115	Lys	Ser	Phe	Glu	Ser	Asn 120	Cys	Trp	Thr	Pro	Gly 125	Phe	Tyr	Arg
Asp	Pro 130	Glu	Ser	Lys	Gln	Asp 135	Tyr	Phe	Ile	Thr	Thr 140	Lys	Thr	Asn	Gly
Thr 145	Thr	Glu	Val	His	Leu 150	Leu	Asn	Ile	Val	Asp 155	Glu	Asn	Glu	Lys	Ala 160
Val	Ile	Thr	Phe	Glu 165	Lys	Phe	Gly	Gln	Leu 170	Lys	Gly	Asn	Ser	Ser 175	Ser
Phe	Pro	Asn	Ser 180	Leu	Ala	Ile	Cys	Pro 185	Thr	Glu	Asn	Lys	Lys 190	Cys	Ala
Val	Gly 195	Tyr	Ile	Asn	Gly	Asp 200	Val	Leu	Leu	Tyr	Asp 205	Phe	Val	Ser	Leu
Lys 210	Leu	Ile	Tyr	Thr	Phe	Arg 215	Ser	Ser	Asp	Leu	Val 220	Thr	Ser	Arg	Asn
Ser 225	Gln	Ser	Thr	Ser	Ile 230	Pro	Arg	Val	Leu	Ala 235	Phe	Ser	Pro	Gly	Gly 240
Thr	Leu	Leu	Ala	Val 245	Ala	Arg	Asp	Asn	Gln 250	Ala	Ala	Gly	Ser	Ile 255	Thr
Leu	Tyr	Asp	Val 260	Glu	His	Gly	Glu	Asn 265	Val	Gly	Ser	Leu	Ala 270	Thr	Pro
Ser	His 275	Ser	Ala	Lys	Ser	Val	Val 280	Gly	Gly	Phe	Ala	His 285	Gln	Gly	Trp

359

Ile Leu Gly Leu Ser Phe Asp Glu Glu Gly Lys His Leu Ala Ser Cys  
 290 295 300

Gly Phe Asp Lys Cys Ile Arg Val Trp Asn Leu Glu Thr Ser Glu Arg  
 305 310 315 320

Glu Ala Thr Ile Ser Ile Ser Ile Ser Asp Leu Asp Asp Thr Thr His  
 325 330 335

Asn Asp Gln Asp Glu Ser Val Ala Ser Gly Val Ala Phe Ile Lys Lys  
 340 345 350

Gly Val Arg Gly Gly Ser Gly Gly Asp Ser Asn Glu Gly Leu Cys Val  
 355 360 365

Val Ser Phe Asp Arg Gly Ile Arg Trp Tyr Arg Glu Ala Gly Gly Ile  
 370 375 380

&lt;210&gt; 355

&lt;211&gt; 1418

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 355

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&lt;210&gt; 356

360

&lt;211&gt; 174

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 356

Met Ser Asp Lys Ser Gln Asn Val Met Arg Glu Leu Arg Ile Glu Lys  
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Leu Val Leu Asn Ile Cys Val Gly Glu Ser Gly Asp Arg Leu Thr Arg  
 20 25 30

Ala Ala Lys Val Leu Glu Gln Leu Ser Gly Gln Thr Pro Val Gln Ser  
 35 40 45

Lys Ala Arg Tyr Thr Val Arg Thr Phe Gly Ile Arg Arg Asn Glu Lys  
 50 55 60

Ile Ala Val His Val Thr Val Arg Gly Pro Lys Ala Glu Glu Ile Leu  
 65 70 75 80

Glu Arg Gly Leu Lys Val Lys Glu Tyr Gln Leu Arg Ser Lys Asn Phe  
 85 90 95

Ser Ala Thr Gly Asn Phe Gly Phe Gly Ile Asp Glu His Ile Asp Leu  
 100 105 110

Gly Ile Lys Tyr Asp Pro Ser Ile Gly Ile Tyr Gly Met Asp Phe Tyr  
 115 120 125

Val Val Met Gly Arg Ala Gly Ala Arg Val Thr Arg Arg Lys Arg Ala  
 130 135 140

Arg Ser Thr Ile Gly Asn Ser His Lys Thr Asn Lys Glu Asp Thr Ile  
 145 150 155 160

Gln Trp Phe Lys Thr Arg Tyr Asp Ala Glu Val Leu Asp Lys  
 165 170

&lt;210&gt; 357

&lt;211&gt; 919

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 357

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 aaacaacaga tgggctgatc aagcttataa agctagatta ttaggtaccg ctttcaaadc 600  
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361

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&lt;210&gt; 358

&lt;211&gt; 145

&lt;212&gt; PRT

<213> *Candida albicans*

&lt;400&gt; 358

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Met Gly Lys Gly Lys Pro Arg Gly Leu Asn Ser Ala Arg Lys Leu Arg
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Val His Arg Arg Asn Asn Arg Trp Ala Asp Gln Ala Tyr Lys Ala Arg
             20             25             30

Leu Leu Gly Thr Ala Phe Lys Ser Ser Pro Phe Gly Gly Ser Ser His
             35             40             45

Ala Lys Gly Ile Val Leu Glu Lys Ile Gly Ile Glu Ser Lys Gln Pro
             50             55             60

Asn Ser Ala Ile Arg Lys Cys Val Arg Val Gln Leu Ile Lys Asn Gly
             65             70             75             80

Lys Lys Val Thr Ala Phe Val Pro Asn Asp Gly Cys Leu Asn Phe Val
             85             90             95

Asp Glu Asn Asp Glu Val Leu Leu Ala Gly Phe Gly Arg Arg Gly Lys
             100            105            110

Ala Lys Gly Asp Ile Pro Gly Val Arg Phe Lys Val Val Lys Val Ser
             115            120            125

Gly Val Ser Leu Leu Ala Leu Trp Lys Glu Lys Lys Glu Lys Pro Arg
             130            135            140

Ser
145

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&lt;210&gt; 359

&lt;211&gt; 1164

&lt;212&gt; DNA

<213> *Candida albicans*

&lt;400&gt; 359

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tattcacaat ttatttatatc tttactcccg aaattcatta attgtaatcg tattgattta 300
gtatacttt gtcaaatcac cgaatcaaat caattgaatg aaattttatg tttttattat 360

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362

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caattaattc gtaatcataa gaataatgga gatactgatg gagataccga cagtttgcct 420
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caattatgtt taaataattg gaatcatgga tatattgcgg aagggtgataa tgataacagt 540
actaacttgt catctttgcc attgtcaata acacaaatat caaacattga aattccaaca 600
atccaatcaa gagcaaatag tagtagtgct tataatgatg aggatgataa aattactact 660
agtcggcaat atcaacaatt taaaactact gctgtagggtg gaacatttga tcatttacat 720
gatggtcata aaatttttatt atcaatggca attttttttaa cttcaaataa attaattatt 780
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tataatcgat tattaaatca ataa 1164

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&lt;210&gt; 360

&lt;211&gt; 322

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 360

```

Met Leu Asn Pro Val Ile Phe Ile Lys Asp Pro Ile Lys Tyr Asp Tyr
 1             5             10             15

Ser Gln Phe Ile Ile Ser Leu Leu Pro Lys Phe Ile Asn Cys Asn Arg
          20             25             30

Ile Asp Leu Val Ile Leu Cys Gln Ile Thr Glu Ser Asn Gln Leu Asn
          35             40             45

Glu Ile Leu Cys Phe Tyr Tyr Gln Leu Ile Arg Asn His Lys Asn Asn
          50             55             60

Gly Asp Thr Asp Gly Asp Thr Asp Ser Leu Pro Met Phe Asp Tyr Arg
          65             70             75             80

Phe Glu Ile Asn Ile Leu Phe Asn Leu Ser Thr Lys Lys Leu Asn Gln
          85             90             95

Leu Cys Leu Asn Asn Trp Asn His Gly Tyr Ile Ala Glu Gly Asp Asn
          100            105            110

Asp Asn Ser Thr Asn Leu Ser Ser Leu Pro Leu Ser Ile Thr Gln Ile
          115            120            125

Ser Asn Ile Glu Ile Pro Thr Ile Gln Ser Arg Ala Asn Ser Ser Ser
          130            135            140

Ala Tyr Asn Asp Glu Asp Asp Lys Ile Thr Thr Ser Arg Gln Tyr Gln
          145            150            155            160

Gln Phe Lys Thr Thr Ala Val Gly Gly Thr Phe Asp His Leu His Asp
          165            170            175

Gly His Lys Ile Leu Leu Ser Met Ala Ile Phe Leu Thr Ser Asn Lys
          180            185            190

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Leu Ile Ile Gly Ile Thr Gly Ser Asn Leu Leu Ile Asn Lys Lys Phe  
 195 200 205  
 Lys Ser Gln Leu Gln Thr Phe Asn Gln Arg Gln Asn Leu Val Ile Gln  
 210 215 220  
 Phe Ile Asn Leu Leu Leu Leu Ser Glu Thr Ser Val Ile Phe Phe Glu  
 225 230 235 240  
 Ile Tyr Glu Ile Asn Asp Val Cys Gly Pro Thr Gly Tyr Ile Asn Asp  
 245 250 255  
 Ile Asp Asn Leu Ile Ile Ser Gln Glu Thr Lys Ser Gly Gly Glu Phe  
 260 265 270  
 Val Asn Lys Phe Arg Lys Asp His Gly Phe Lys Leu Leu Asp Ile Thr  
 275 280 285  
 Ile Ile Lys Val Ile Gly Gly Asn Ile Glu Glu Asn Ser Trp Lys Gly  
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 Lys Leu Ser Ser Thr Asp Ile Arg Glu Gln Glu Tyr Asn Arg Leu Leu  
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 Asn Gln

<210> 361  
 <211> 1427  
 <212> DNA  
 <213> Candida albicans

<400> 361  
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 gggtttgcca ttcatatata tatatctatt attcaaataca atttgaggag tatcattaat 480  
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364

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&lt;210&gt; 362

&lt;211&gt; 308

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 362

Met Ser Tyr Arg Gly Pro Asn Gln Phe Gly Asn Gln Pro Pro His His  
 1 5 10 15

Gly Ile Pro Ser Gln Pro Gln Pro His Ile Gly Pro Ile Ser Ser Ser  
 20 25 30

Lys Ser Pro Leu Glu Gln Phe Glu Asp Val Ala Lys Lys Val Glu Asp  
 35 40 45

Trp Ile Asp Asp Tyr Phe Lys Val Leu Lys Pro Tyr Val Pro Ala Ile  
 50 55 60

Gly Arg Ala Phe Leu Val Ala Thr Phe Tyr Glu Asp Thr Leu Arg Ile  
 65 70 75 80

Phe Thr Gln Trp Asn Glu Gln Val Tyr Tyr Leu His Asn Tyr Arg His  
 85 90 95

Tyr Trp Arg Trp Leu Thr Val Leu Phe Leu Ile Asn Asn Met Val Val  
 100 105 110

Met Thr Val Ala Ser Thr Leu Val Ile Ala Arg Lys Lys Asn Asn Ile  
 115 120 125

Ala Thr Ile Ala Leu Ile Val Val Val Ile Ile Gln Gly Ile Gly Tyr  
 130 135 140

Gly Leu Leu Phe Asp Ala Gln Phe Val Leu Arg Asn Leu Ser Val Val  
 145 150 155 160

Gly Gly Leu Val Leu Ala Phe Ser Asp Ser Ile Val Arg Asp Lys Arg  
 165 170 175

Ser Leu Asn Met Pro Gly Leu Pro Met Leu Asn Asn Gln Asp Asn Lys  
 180 185 190

Lys Tyr Phe Leu Leu Ala Gly Arg Ile Leu Leu Val Leu Leu Phe Leu  
 195 200 205

Gly Phe Val Phe Ser Ser Asp Trp Ser Leu Gly Arg Val Phe Ile Ile  
 210 215 220

Ile Ile Gly Leu Thr Ser Cys Ala Ser Ile Val Val Gly Tyr Lys Thr  
 225 230 235 240

Lys Phe Ser Ala Ala Ile Met Leu Ile Val Leu Phe Leu Tyr Asn Val



365

	245		250		255
Phe Thr Asn Gln Phe Trp Ala Tyr	Ala Ser Gln Asp Ala Arg Arg Asp				
260	265	270			
Phe Leu Arg Tyr Glu Phe Phe Gln Val Leu Ser Ile Val Gly Gly Leu					
275	280	285			
Leu Leu Val Val Asn Ala Gly Ala Gly Glu Phe Ser Ile Asp Glu Lys					
290	295	300			
Lys Lys Ile Tyr					
305					

&lt;210&gt; 363

&lt;211&gt; 1876

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 363

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1876

&lt;210&gt; 364

366

&lt;211&gt; 427

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 364

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Met Ser Ile Val Leu Pro Ser Gly Thr Thr Asp Gly Phe Lys Ala Val
  1           5           10           15

Ser Lys Tyr Ser Ala Pro Val Arg Arg Pro Ile Glu Pro Val Gly Arg
      20           25           30

Tyr Phe Leu Ala His Ala Ser Arg Thr Leu Arg Gly His Thr Trp Ser
      35           40           45

Glu Phe Glu Lys Leu Glu Ala Glu Lys Asn Val Lys Gln Ile Glu Val
      50           55           60

Asn Glu Asp Glu Asp Leu Gly Asp Glu Glu Gln Ser Glu Glu Leu Leu
      65           70           75           80

Glu His Asp Pro Arg Glu Trp Lys Thr Ala Asn Leu Tyr Ala Val Leu
      85           90           95

Gly Leu Ser His Leu Arg Ser Lys Ala Thr Glu Asp Gln Ile Arg Arg
      100          105          110

Ala His Arg Lys Gln Val Leu Lys His His Pro Asp Lys Lys Ser Ala
      115          120          125

Ser Gly Gly Leu Glu Asn Asp Gly Phe Phe Lys Ile Ile Gln Lys Ala
      130          135          140

Phe Glu Val Met Leu Asp Pro Val Lys Arg Arg Gln Tyr Asp Ser Ile
      145          150          155          160

Asp Val Glu Asn Asp Pro Lys Pro Pro Ala Pro Lys Ser Lys Tyr Asp
      165          170          175

Phe Phe Glu Ala Trp Gly Pro Val Phe Glu Ser Glu Ala Arg Phe Ser
      180          185          190

Thr Lys Gln Pro Val Pro Leu Leu Gly Asn Leu Glu Ser Thr Lys Glu
      195          200          205

Glu Val Asp Ala Phe Tyr Ser Phe Trp Gly Arg Phe Asp Ser Trp Lys
      210          215          220

Thr Phe Glu Phe Lys Asp Glu Asp Val Pro Asp Asp Thr Ala Asn Arg
      225          230          235          240

Asp His Lys Arg Tyr Ile Glu Arg Lys Asn Ile Ala Gln Gln Lys Glu
      245          250          255

Ile Glu Ala Arg Arg Ser Gln Glu Ile Ile Glu Leu Val Glu Arg Ala
      260          265          270

His Ala Glu Asp Pro Arg Ile Lys Leu Phe Lys Glu Lys Ala Lys Lys

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367

275	280	285
Glu Lys Ala Ala Lys Lys Trp	Glu Lys Glu Ser Gly Ser Arg Lys Ala	
290	295	300
Ala Glu Glu Ala Ala Ala Lys Lys Ala Ala Glu	Glu Ala Ala Ala Lys	
305	310	315
Lys Ala Ala Glu Glu Ala Ala Ala Leu Lys Ala Asn Ser Lys Lys Ala		
	325	330
Lys Glu Ala Ala Lys Ala Ala Lys Lys Lys Asn Lys Arg Asn Ile Arg		
	340	345
Ala Ala Val Lys Asp Asn Asn Tyr Phe Gly Asp Ser Ala Lys Ser Ala		
355	360	365
Asp Ile Asp Ala Asp Val Asp Leu Leu Ile Glu Lys Phe Asp Asp Val		
370	375	380
Lys Leu Gly Glu Val Ala Asp Lys Val Lys Asp Ala Asp Ala Ala Ser		
385	390	395
Val Lys Ser Thr Phe Val Glu Val Ala Lys Glu Leu Val Gly Ala Gly		
	405	410
Ser Leu Asp Ala Ser Tyr Leu Lys Tyr Phe Asn		
420	425	

&lt;210&gt; 365

&lt;211&gt; 1178

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 365

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368

<210> 366  
 <211> 82  
 <212> PRT  
 <213> Candida albicans

<400> 366  
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 Lys Gln His Lys Leu Lys Thr Leu Val Gln Gln Pro Arg Ser Phe Phe  
                   20                  25                  30  
 Met Asp Val Lys Cys Gln Gly Cys Leu Asn Ile Thr Thr Val Phe Ser  
           35                  40                  45  
 His Ala Gln Thr Ala Val Thr Cys Asp Ser Cys Ser Thr Val Leu Cys  
           50                  55                  60  
 Thr Pro Thr Gly Gly Lys Ala Lys Leu Thr Glu Gly Cys Ser Phe Arg  
           65                  70                  75                  80  
 Arg Lys

<210> 367  
 <211> 1179  
 <212> DNA  
 <213> Candida albicans

<400> 367  
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 aacaacaacg agggaagaaa aaaaacttaa ttaggtgaac aaaaattaat gtgtgagcgt 360  
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<210> 368

369

<211> 106  
 <212> PRT  
 <213> Candida albicans

<400> 368  
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 Cys Arg Lys His Thr Gln His Lys Val Thr Gln Tyr Lys Ala Gly Lys  
                   20                  25                  30  
 Ala Ser Leu Phe Ala Gln Gly Lys Arg Arg Tyr Asp Arg Lys Gln Ser  
           35                  40                  45  
 Gly Tyr Gly Gly Gln Thr Lys Gln Ile Phe His Lys Lys Ala Lys Thr  
           50                  55                  60  
 Thr Lys Lys Val Val Leu Arg Leu Glu Cys Val Val Cys Lys Thr Lys  
           65                  70                  75                  80  
 Ala Gln Leu Pro Leu Lys Arg Cys Lys His Phe Glu Leu Gly Gly Asp  
                   85                  90                  95  
 Lys Lys Gln Lys Gly Gln Ala Leu Gln Phe  
           100                  105

<210> 369  
 <211> 3583  
 <212> DNA  
 <213> Candida albicans

<400> 369  
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370

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&lt;210&gt; 370

&lt;211&gt; 1072

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 370

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Met Thr Leu Ser Ser Glu Ser Thr Lys Pro Ser Val Glu Glu Val Ser
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Lys Ser Leu Lys Pro Thr Ile Thr Lys Lys Thr Ser Phe Thr Asp Tyr
 20              25              30

Leu Lys Ser Ala Lys Thr Lys Ala Lys Glu Glu Lys Val Thr Ile Glu
 35              40              45

Lys Ser Asp Lys Thr Ile Asn Ser Glu Glu Arg Lys Thr Glu Pro Ile
 50              55              60

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371

Gln	Gln	Ser	Glu	Gln	Leu	Leu	Thr	Asp	Lys	Lys	Asp	Asn	Lys	Ser	Glu	65	70	75	80
Pro	Asn	Ser	Glu	Val	Asn	Leu	Lys	Asp	Asn	Asn	Asp	Asp	Ser	Lys	Ala	85	90		95
Thr	Ala	Gly	Cys	Ala	Leu	Gly	Pro	Asp	Lys	Asn	Thr	Gly	Lys	Asn	Asp	100	105		110
Ser	Asp	Lys	Ser	Glu	Thr	Thr	Gln	Pro	Lys	Leu	Ala	Arg	Ser	Glu	Ser	115	120		125
Phe	Ala	Asp	Thr	Ser	Leu	Leu	Ser	Pro	Val	Asn	Glu	Ser	Asp	Thr	Asp	130	135		140
Phe	Asn	Phe	Asn	Glu	Leu	Ala	Glu	Ile	Pro	Glu	Ala	Lys	Asp	Gly	Ser	145	150		155
Val	Val	Ala	Ala	Asn	Val	Ser	Glu	Asn	Ile	Asp	Glu	Asn	Glu	Asn	Ile	165	170		175
Ser	Glu	Ala	Glu	Thr	Val	Ile	Ala	Asp	Asp	Leu	Pro	Arg	Leu	Asp	Glu	180	185		190
Gly	Lys	Lys	Leu	Leu	Arg	Glu	Gln	Thr	Ala	Asp	Val	Lys	Arg	His	Lys	195	200		205
Leu	Lys	Lys	Thr	Lys	Leu	Asn	Thr	Ile	Phe	Ser	Ser	Asp	Glu	Glu	Glu	210	215		220
Glu	Glu	Ile	Gln	Glu	Pro	Asp	Phe	Lys	Leu	Gln	Glu	Pro	Glu	Lys	Leu	225	230		235
Pro	Glu	Asp	Asp	Gln	His	Pro	Asp	Phe	Gln	Asn	Ser	Lys	Ala	Thr	Thr	245	250		255
Glu	Ile	Ser	Asn	Asp	Lys	Thr	Glu	Val	Asn	Lys	Pro	Glu	Val	Lys	Glu	260	265		270
Val	Gly	Glu	Lys	Glu	Arg	Asn	His	Gln	Leu	Glu	Asp	Arg	Leu	Pro	Ile	275	280		285
Lys	Lys	Glu	Lys	Met	Arg	Ser	Glu	Asn	Ala	Lys	Thr	Ser	Glu	Asn	Gly	290	295		300
Val	Ser	Ser	Lys	Ser	Glu	Ser	Lys	Ile	Ser	Lys	Ser	Lys	Lys	Leu	Pro	305	310		315
Tyr	Lys	Val	Lys	Arg	Asp	Ser	Ser	Gly	Arg	Ser	Leu	Leu	Gln	Arg	Ala	325	330		335
Cys	Lys	Lys	Gly	Asn	Phe	Ala	Asp	Val	Gln	Asp	Tyr	Ile	Glu	Arg	Gly	340	345		350
Ala	Ser	Ala	Asn	Glu	Lys	Asp	Phe	Cys	Gly	Phe	Thr	Cys	Leu	His	Glu	355	360		365

372

Ala	Ala	Leu	Glu	Gly	His	Thr	Gln	Ile	Val	Lys	Tyr	Leu	Ile	Glu	Asn
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Gly	Ala	Asn	Val	Asn	Ala	Lys	Ala	Asp	Glu	Ala	Gly	Asp	Ser	Glu	Thr
385					390					395					400
Pro	Leu	Ile	Asp	Ala	Ala	Glu	Asn	Lys	His	Leu	Asp	Cys	Val	Lys	Val
				405					410					415	
Leu	Leu	Glu	Asn	Asp	Ala	Asp	Pro	Thr	Ile	Phe	Asn	Ile	Asp	Gly	Phe
			420					425					430		
Thr	Ala	Leu	Thr	Lys	Ile	Tyr	Asn	Glu	His	Glu	Gly	Glu	Glu	Gly	Tyr
		435					440					445			
Asp	Glu	Ile	Ile	Gln	Val	Leu	Glu	Glu	Ala	Thr	Ala	Asn	Tyr	Asn	Ser
	450					455					460				
Arg	Leu	Pro	Arg	Glu	Val	Gln	Phe	Val	Ser	Asp	Ala	Pro	Ile	Gly	Ser
465					470					475					480
Gly	Pro	Ile	Met	Glu	Asp	Pro	Asn	Asp	Asn	Tyr	Phe	Ala	Glu	Leu	Ile
			485						490					495	
Lys	Gly	Lys	Gly	Ile	Tyr	Lys	Tyr	Ala	Ala	Glu	Asn	Ser	Lys	Glu	Lys
			500					505					510		
Thr	Ala	Glu	Tyr	Phe	Val	Ala	Gly	His	Asn	Leu	Glu	Gly	Lys	Pro	Asp
		515					520					525			
Ile	Leu	Ile	Leu	Ala	Ala	Arg	Asn	Gly	His	Thr	Glu	Leu	Val	Asp	Ile
	530					535					540				
Ile	Leu	Gly	Leu	Asn	Pro	Thr	Pro	Phe	Asn	Ile	Asp	Thr	Glu	Ser	Ser
545					550					555					560
Cys	Gly	Val	Thr	Ala	Leu	Leu	Ala	Ser	Ile	Gly	Arg	Gly	His	Phe	Glu
				565					570					575	
Val	Val	Asp	Ser	Leu	Leu	Ser	Lys	Gly	Ala	Asp	Pro	Phe	Lys	Thr	Arg
			580					585					590		
Lys	Lys	Asp	Gly	Leu	Asn	Ala	Leu	Glu	Ile	Ala	Gln	His	Ser	Pro	His
		595					600					605			
Phe	Asp	Ser	Arg	Glu	Val	Ser	Val	Ile	Met	Lys	Phe	Met	Glu	Lys	Lys
	610					615					620				
Ser	Gly	Thr	Lys	Ile	Leu	Ser	Gly	Ile	Pro	Ser	Arg	Val	Val	Ser	Arg
625					630					635					640
Ala	Thr	Ser	Arg	Ala	Pro	Ser	Val	Pro	Val	Ser	Ser	Asp	Glu	Asp	Asp
				645					650					655	
Val	Val	Glu	Glu	Lys	Glu	Ile	Thr	Ala	His	Thr	Glu	Asn	Lys	Ser	Ala
			660					665					670		



Glu Lys Lys Ser Glu Asp Lys Ile Thr Lys Thr Val Asn Glu His Val  
 675 680 685  
 Ser Asn Arg Lys Pro His Glu Ser Thr Gly Arg Lys Leu Glu Lys Thr  
 690 695 700  
 His Ser Asn Glu Glu Arg Lys Arg Lys Arg Glu Trp Ser Asp Asp Glu  
 705 710 715 720  
 Pro Lys Glu Pro His Leu Leu Lys Lys Ser Lys Ser Asp Leu Lys Leu  
 725 730 735  
 Lys Ser Leu His Arg Glu Phe Thr Ser Asp Asp His His Thr Ser Glu  
 740 745 750  
 Ser His Ser Asp Ser Phe Ala Glu Lys Arg Lys His Leu Ser Ala Thr  
 755 760 765  
 Pro Pro Ala Pro Pro Pro Pro Pro Pro Pro Pro Ser Gln Ala Val  
 770 775 780  
 Ile Lys Ala Gln Glu Glu Gln Lys Ile Lys Asp Ala Glu Glu Ala Arg  
 785 790 795 800  
 Leu Trp Gln Glu Lys Val Glu Ala Lys Lys Arg Ala Arg Arg Glu Met  
 805 810 815  
 Phe Leu Lys Ser Glu Lys Glu Lys Glu Gln Lys Arg Lys Glu Glu Glu  
 820 825 830  
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 835 840 845  
 Glu Gln Glu Arg Leu Ala Arg Glu Ala Glu Glu Lys Ser Lys Glu Leu  
 850 855 860  
 Glu Glu Lys Lys Val Gly Leu Arg Gln Gln Leu Thr Leu Asp His Tyr  
 865 870 875 880  
 Pro Val Gly Leu Arg Tyr Cys Lys Phe Asp Gly Asn Pro Asn Ile Ser  
 885 890 895  
 Ala Val Asp Lys Phe Leu Pro Phe Tyr Val Phe Val Ile Asp Asp Lys  
 900 905 910  
 Lys Tyr Ala Val Asp Leu Gln Val Ser Leu Ile Thr Ser Thr Val Val  
 915 920 925  
 Ser Lys Val Ile Asn Thr Val Gln Pro His Gln Lys Arg Glu Ile Asn  
 930 935 940  
 Ala Thr Glu Lys Ser Lys Leu Trp Lys Leu Phe Phe Lys Phe Ile Gly  
 945 950 955 960  
 Ile Asp Pro Arg Asn Pro Asn Cys Asp Gln Arg Ser Ser Ile Thr Asn  
 965 970 975

374

Gly Gln Lys Gln Phe Gln Asn Leu Leu Leu His Phe Val Glu Val Asp  
                   980                                  985                                  990  
 Leu Ala Glu Glu Phe Leu Lys Glu Phe Pro Glu Val His Ser Lys Ala  
                   995                                  1000                                  1005  
 Lys Asp Asn Gln Ile Asp Val Ser Leu Glu Ser Leu Ser Gly Phe Ser  
                   1010                                  1015                                  1020  
 Asp Cys Val Lys Asp Asp Ile Ile Val Asp Gly Asn Leu Glu Ile Asp  
                   1025                                  1030                                  1035                                  1040  
 Ile Asp Ser Lys Lys Ile Glu Lys Phe Ile Pro Pro His Leu Asn Thr  
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 Arg Lys Asp Ile Ile Arg Thr Val Ser Thr Leu Ala His Pro Leu Trp  
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 <211> 659  
 <212> DNA  
 <213> Candida albicans

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 atttgttttt gttcgtgtct cggtcattga gggtgggtaa attgtttttc ttttgagaat 180  
 tgtgagcatg caatgtcgca tgcaaatatg atgtcgctca attgcgacat actacttagg 240  
 gctatagacc tattgcacgt gcgttagttt taaacctaaa aaaacaattt tgtgcagtcg 300  
 tgcaccattc gttctatttt tctactgtga ttgacgtaca aaccttcaca gttcacgcac 360  
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 aaggcgaaaa aaaaaaaaaa taaacttgaa tattttggaa tccccttttt gattactaca 480  
 atagattaaa gtaactaaag atgattgaac catccttgaa agcttttagct tcaaaataca 540  
 actgtgaaaa atccatttgt cgtaaattgt acgctagatt gccaccaaga gccaccaact 600  
 gtcgtaagag aaagtgtggt cacaccaatc aattgagacc aaagaagaaa ttgaagtag 659

<210> 372  
 <211> 52  
 <212> PRT  
 <213> Candida albicans

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 Lys Ser Ile Cys Arg Lys Cys Tyr Ala Arg Leu Pro Pro Arg Ala Thr  
                   20                                  25                                  30  
 Asn Cys Arg Lys Arg Lys Cys Gly His Thr Asn Gln Leu Arg Pro Lys  
                   35                                  40                                  45

Lys Lys Leu Lys  
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<212> DNA  
<213> *Candida albicans*

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gaatttgaac taatccgaag atgaacgacc ccagagatga acaaattgac tccgatgatg 540  
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<210> 374  
<211> 598  
<212> PRT  
<213> *Candida albicans*

376

&lt;400&gt; 374

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Glu	Asp	Ser	Ser	Asp	Glu	Leu	Lys	Asp	Leu	Val	Gln	Glu	Phe	Glu	Leu	20	25	30	
Lys	Tyr	Ala	Glu	Leu	Lys	Lys	Asn	Lys	Ala	Leu	Lys	Lys	Arg	Arg	Ser	35	40	45	
Gln	Ser	Pro	Ser	Glu	Asp	Met	Ser	Asn	Lys	Gln	Lys	Pro	His	Gln	Pro	50	55	60	
Glu	Val	Pro	Arg	Thr	Pro	Glu	Lys	Ala	Lys	Val	His	Leu	Asp	Lys	Val	65	70	75	80
Val	Glu	Glu	Pro	Lys	Gln	Arg	Ile	Phe	Thr	Lys	Lys	Glu	Pro	Arg	Asp	85	90	95	
Ser	Lys	Ile	Lys	Glu	Ser	Asn	Phe	Leu	Asn	Lys	Leu	Tyr	Glu	Thr	Ser	100	105	110	
Asn	Lys	His	Asp	Lys	Glu	Asp	Ala	His	Lys	Ile	Asp	Phe	Ser	Lys	Arg	115	120	125	
Arg	Phe	Glu	Phe	Gln	Leu	Asp	Lys	Tyr	Thr	Phe	Thr	Pro	Lys	Asp	Val	130	135	140	
Val	Asp	Asp	Leu	Glu	Pro	Ile	Ser	Lys	Leu	Tyr	Leu	Arg	Arg	Arg	Tyr	145	150	155	160
Leu	Ala	Gln	Ser	Gln	Ile	Ala	Asp	Ile	Ile	Ala	Glu	Thr	Asp	Ser	Asn	165	170	175	
Met	Lys	Phe	Leu	Lys	Ile	Asp	Lys	Phe	Leu	Ala	Lys	Thr	His	Lys	Ser	180	185	190	
Asn	Asn	Tyr	Ala	Glu	Pro	Lys	Tyr	Cys	Asn	Trp	Cys	Leu	Val	Ala	Phe	195	200	205	
Val	Val	Arg	Lys	Asp	Pro	Val	Gln	Val	Ala	Ala	Asn	Asn	Ser	Lys	Tyr	210	215	220	
Ile	Lys	Leu	Lys	Val	Gly	Asn	Phe	Met	Asn	Ser	Val	Asp	Leu	Met	Leu	225	230	235	240
Phe	Asp	Lys	Ala	Phe	Gln	Lys	Asn	Gly	Lys	Ile	Gln	Pro	Gly	Asp	Leu	245	250	255	
Leu	Phe	Ile	Leu	Asn	Pro	Leu	Ile	Asn	Lys	Tyr	Glu	Ile	Gln	Val	Gly	260	265	270	
Lys	Gly	Gln	Phe	Gln	Ser	Gly	Phe	Asn	Leu	Lys	Val	Glu	Asn	Thr	Asn	275	280	285	
Val	Ser	Ser	Ile	Leu	Glu	Ile	Gly	Ser	Leu	Arg	Asp	Phe	Gly	Phe	Cys	290	295	300	

Lys Phe Thr Arg Lys Leu Asp Asn Ser Arg Cys Lys Arg Ala Ile Asn  
 305 310 315 320  
 Thr Arg Thr Gln Glu Phe Cys Asp Ile His Leu Asp Met Lys Phe Lys  
 325 330 335  
 Ser Ser Thr Arg Met Glu Leu Asn Gly Ser Val Ser Ile Arg Ser Pro  
 340 345 350  
 Gln Lys Asn Lys Lys Lys Met Tyr Met Asn Lys Asn Gly Ser Gly Phe  
 355 360 365  
 Ile Lys Gln Tyr Asn Glu Glu Ser Thr Val Ile Gly Thr Ser Tyr Gly  
 370 375 380  
 Ser Pro Leu Asp Pro Lys Arg Tyr Gln Asp Pro Lys Val Leu Gln Asn  
 385 390 395 400  
 Gln Ile Lys Arg Arg Lys Leu Ile Asp Asp Lys Ala Lys Glu Met Leu  
 405 410 415  
 Glu Gln Lys Leu Ser Lys Leu Gly Ser Ala Ser Leu Leu Asn Asn Leu  
 420 425 430  
 Gln Leu Ser Lys Lys Glu Ala Thr Asp Lys Leu Ala Ser Asp Arg Ser  
 435 440 445  
 Lys Ser Lys Gly Phe Thr Asn Thr Met Ile Ser His Ile Gly Phe Asp  
 450 455 460  
 Pro Thr Gly Thr Ser Leu Asn Gln Asn Ser Thr Ser Leu Gly Ser Lys  
 465 470 475 480  
 Ser Met Glu Lys Ser Arg Ala Arg Glu Leu His Asp Leu Ser Val Glu  
 485 490 495  
 Thr Ser Gly His Lys Ser Leu Ser Ser Ser Lys Gln Asp Arg Gln Ser  
 500 505 510  
 Lys Val Ala Lys Trp Asn Thr Asn Ile Arg Thr Leu Gln Asn Tyr Asp  
 515 520 525  
 Arg Arg Val Ala Ser His Ser Leu Ser Thr Ser Arg Arg Leu Gln Asn  
 530 535 540  
 Leu Val Gly Lys Gln Thr His Ala Thr Leu Val Asp Lys Arg Lys Arg  
 545 550 555 560  
 Val Val Val Ser Asp Asp Glu Gln Pro Gly Met Glu Glu Asp Glu Glu  
 565 570 575  
 Asp Ile Glu Ile Gln Phe Asp Asp Glu Lys Ser Lys Met Ser Tyr Met  
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 Lys Met Thr Gly Ala Arg  
 595

<210> 375  
 <211> 1499  
 <212> DNA  
 <213> *Candida albicans*

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 ccagaaaact tggcaaactc aacgtagcag ttttttcgtc atctggtggt aatgcaggat 720  
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 aaacagtcta tccggtctat tgtcaccctt ttgatgacct attgttgtgg gagggtcata 960  
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<210> 376  
 <211> 332  
 <212> PRT  
 <213> *Candida albicans*

<400> 376  
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 20 25 30  
 Gln Pro Ser Gly Ser Val Lys Leu Arg Gly Met Gly His Leu Val Gly  
 35 40 45  
 Gln Ser Ile Asp Val Ala Arg Lys Leu Gly Lys Ser Asn Val Ala Val  
 50 55 60  
 Phe Ser Ser Ser Gly Gly Asn Ala Gly Leu Ala Ala Ala Tyr Ala Ser  
 65 70 75 80

379

Gln Phe Phe Gly Val Ser Cys Thr Val Val Leu Pro Glu Ser Ser Lys  
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 Pro Thr Val Ile Glu Lys Leu Lys Ser Leu Gly Ala Asp Val Ile Ile  
                     100                    105                    110  
 His Gly Lys His Trp Gly Glu Ala Asp Asn Tyr Leu Thr Asp Phe Val  
                     115                    120                    125  
 Ile Lys Asn Leu Asp Lys Thr Val Tyr Pro Val Tyr Cys His Pro Phe  
                     130                    135                    140  
 Asp Asp Pro Leu Leu Trp Glu Gly His Ser Lys Ile Ile Thr Glu Ile  
                     145                    150                    155                    160  
 Ile Asp Gln Lys Gln Leu Pro Asn Phe Asp Lys Val Lys Gly Val Ile  
                     165                    170                    175  
 Cys Ser Val Gly Gly Gly Gly Leu Tyr Asn Gly Ile Val Glu Gly Leu  
                     180                    185                    190  
 Glu Asn His Lys Glu Ile Pro Val Leu Ala Ile Glu Thr Lys Gln Ala  
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 Ala Thr Phe His Glu Ala Val Lys Glu Gly Lys Val Val His Leu Gln  
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 Lys Val Gln Thr Leu Ala Thr Ser Leu Ala Ser Pro Tyr Leu Ser Ser  
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 Lys Ala Leu Ala Asn Tyr Ile Glu Arg Pro Thr Val Leu Ala Glu Ile  
                     245                    250                    255  
 Asp Asp Leu Asp Ala Val Lys Gly Val Val Asp Val Tyr Asp His Phe  
                     260                    265                    270  
 Gly Tyr Met Val Glu Pro Ala Cys Gly Ala Ser Val Ala Ser Val Met  
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 His Arg Gln Asp Leu Leu Asn Lys Phe Gly Thr Leu Ser Pro Asp Asp  
                     290                    295                    300  
 Ile Ile Ile Val Val Ile Cys Gly Gly Ser Ala Ile Asn Lys Tyr Ile  
                     305                    310                    315                    320  
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&lt;210&gt; 377

&lt;211&gt; 2564

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 377

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&lt;210&gt; 378

&lt;211&gt; 687

&lt;212&gt; PRT

<213> *Candida albicans*

&lt;400&gt; 378

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Val Ala Leu Val Ile Leu Ile Pro Phe Leu Val Ser Pro Lys His Ala
      20              25              30

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Phe Ala Val Ala Ala Val Ser Asp Asp Glu Ser Ser Thr Asp Asn Tyr

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65					70					75					80	
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Phe	Asp	Ile	Lys	Arg	Leu	Ile	Gly	Leu	Lys	Tyr	Asn	Asp	Asp	Thr	Val	
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Pro	Glu	Glu	Ile	Ser	Ser	Met	Val	Leu	Gly	Lys	Met	Lys	Ser	Ile	Ala	
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Glu	Asp	Tyr	Leu	Gly	Lys	Lys	Val	Thr	His	Ala	Val	Val	Thr	Val	Pro	
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Phe	Lys	Lys	Lys	His	Asn	Ile	Asp	Ile	Thr	Ala	Asn	Ser	Lys	Ala	Ile	
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Phe	Ser	Glu	Thr	Leu	Ser	Arg	Ala	Lys	Phe	Glu	Glu	Leu	Asn	Ile	Ala	

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Ala	Phe	Arg	Lys	Thr	Leu	Lys	Pro	Val	Glu	Gln	Val	Leu	Lys	Asp	Gly
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Gly	Val	Lys	Lys	Ser	Asp	Ile	Asp	Asp	Ile	Val	Leu	Val	Gly	Gly	Ser
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385						390					395				400
Lys	Lys	Ala	Ser	Lys	Gly	Ile	Asn	Pro	Asp	Glu	Ala	Val	Ala	Tyr	Gly
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Ala	Ala	Val	Gln	Ala	Gly	Val	Leu	Ser	Gly	Glu	Glu	Gly	Val	Asp	Asp
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Lys	Lys	Ser	Gln	Ile	Phe	Ser	Thr	Ala	Ala	Asp	Asn	Gln	Pro	Thr	Val
465						470					475				480
Leu	Ile	Gln	Val	Tyr	Glu	Gly	Glu	Arg	Thr	Met	Ala	Lys	Asp	Asn	Asn
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Arg	Leu	Gly	Lys	Phe	Glu	Leu	Thr	Gly	Ile	Pro	Pro	Ala	Pro	Arg	Gly
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Val	Pro	Gln	Ile	Glu	Val	Thr	Phe	Ser	Leu	Asp	Ala	Asn	Gly	Ile	Leu
		515					520					525			
Lys	Val	Glu	Ala	Ala	Asp	Lys	Gly	Thr	Gly	Lys	Ser	Glu	Ser	Ile	Thr
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Ile	Thr	Asn	Glu	Lys	Gly	Arg	Leu	Ser	Lys	Asp	Glu	Ile	Asp	Arg	Met
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Val	Glu	Glu	Ala	Glu	Lys	Tyr	Ala	Gln	Gln	Asp	Gln	Glu	Leu	Lys	Glu
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Lys	Ile	Glu	Ala	Arg	Asn	Ser	Leu	Glu	Asn	Tyr	Ala	His	Val	Leu	Arg
			580					585				590			
Gly	Gln	Leu	Ser	Asp	Thr	Ser	Glu	Thr	Gly	Leu	Gly	Ser	Lys	Leu	Asp
		595					600					605			
Asp	Asp	Asp	Lys	Glu	Thr	Leu	Asp	Asp	Ala	Ile	Lys	Glu	Thr	Leu	Glu
	610					615					620				
Phe	Ile	Glu	Asp	Asn	Phe	Asp	Thr	Ala	Thr	Ala	Glu	Glu	Phe	Glu	Glu
625						630					635				640
Gln	Lys	Gln	Lys	Leu	Ile	Asp	Val	Ala	Asn	Pro	Ile	Thr	Ala	Lys	Leu

383

645	650	655
Tyr Gly Gly Ala Ala Gly Glu Gly Ala Gly Gly Ala Gly Asp Ala Lys		
660	665	670
Phe Gly Asp Asp Asp Ser Asp Asp Glu Phe Asp His Asp Glu Leu		
675	680	685

<210> 379  
 <211> 1346  
 <212> DNA  
 <213> Candida albicans

<400> 379

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<210> 380  
 <211> 281  
 <212> PRT  
 <213> Candida albicans

<400> 380

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Ile Val Val Asp Ser Lys Ser Asp Lys Ile Ile Ser Ile Gly Tyr Asn		
35	40	45
Tyr Thr Asn His Ser Leu Asn Gly Thr Gln His Ala Glu Phe Ile Ala		

384

50	55	60
Leu Gln Arg Phe Gly Glu Gln Lys Ser Ser Ile Asp Tyr Asn Asp Leu 65 70 75 80		
Ile Leu Tyr Val Thr Val Glu Pro Cys Ile Met Cys Ala Ser Tyr Leu 85 90 95		
Arg Gln Leu Gly Ile Lys Lys Val Ile Phe Gly Cys Gly Asn Asp Arg 100 105 110		
Phe Gly Gly Asn Gly Thr Ile Leu Ser Ile His Ser Asp Ile Thr Leu 115 120 125		
Pro Asn Ala Ala Tyr Ser Ser Ile Gly Gly Ile Cys Arg Thr Glu Gly 130 135 140		
Ile Gln Leu Leu Arg Asn Phe Tyr Ile Gln Gln Asn Glu Ser Ala Pro 145 150 155 160		
Asn Pro Lys Ile Lys Lys Asn Thr Asp Ile Glu Ser Lys Glu Tyr Pro 165 170 175		
Glu Asn Gln Phe Cys Ser Ile Ser Lys Asp Glu Phe Ile Glu Phe Tyr 180 185 190		
Gly Asn Glu Arg Val His Ile Tyr Asp Gly Lys Ile Phe Glu Ile Thr 195 200 205		
Pro Leu Gln Asn Lys Gly Tyr Asp Ile Lys Glu Leu Ile Ser Leu Asp 210 215 220		
Met Met Gln Lys Val Pro Phe Leu Glu Asp Glu Leu Gly Gln Ile Thr 225 230 235 240		
Asp Glu Gln Ile Ile Glu Phe His Asn Leu Phe Phe Asn Ile Asn Asp 245 250 255		
Asp Gly Thr Val Asn Tyr Lys Lys Pro Ile Gly Lys Tyr Asn Ser Lys 260 265 270		
Lys Arg His Phe Ala Asn Asp Glu Glu 275 280		

&lt;210&gt; 381

&lt;211&gt; 1504

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 381

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&lt;210&gt; 382

&lt;211&gt; 334

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 382

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Met Leu Arg Phe Thr Arg Thr Thr Ala Trp Lys Leu Arg Ser Ile Pro
 1              5              10              15

Ile Ala Thr Ile Gln Tyr Arg Gln Phe Thr Tyr Ser Thr Ile Cys Tyr
      20              25              30

Gln Leu Lys Thr Leu Thr Pro Ser Leu Gly Ile Asn Asn Thr Ile Glu
      35              40              45

Ser Asn Ile Pro Ser Glu Thr Asn Arg Leu Ala Lys Thr Gly Thr Arg
      50              55              60

Phe Trp Lys Lys Gly Glu Val Lys Phe Asn Asn Glu Thr Gln Lys Tyr
      65              70              75              80

Glu Ile Gln Leu Asp Gly Lys Thr Leu Arg Thr Pro Leu Gly Phe Pro
      85              90              95

Leu Glu Leu Pro Ile Asn Lys Lys Gln Leu Ala Tyr Leu Ile Ala His
      100             105             110

Glu Trp Thr His Leu Pro Asp Ile Lys Val Lys Ser Ser Thr Leu Pro
      115             120             125

Leu Thr Ala Leu Ala Thr Arg Ala Ile Asp Leu Ser Gln Gln His Leu
      130             135             140

Ser Asp Met Lys Thr Glu Lys Ala Glu Glu Met Leu Ala Leu Glu Asp

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386

145	150	155	160
Ile Lys Leu Gln Met Leu Arg Tyr Leu Asp Thr Asp Thr Cys Leu Ile	165	170	175
Phe Ala Thr Asn Lys Glu Cys Asp Gly Lys Leu Arg Lys Arg Gln Glu	180	185	190
Glu Ile Tyr Arg Pro Leu Ile Asn Glu Phe Asn Glu Phe Phe Thr Ile	195	200	205
Tyr Ala His Asn Lys Asn Leu Ile Pro Arg Gln Lys Ser Ile Glu Leu	210	215	220
Lys Tyr Leu Asp Cys Glu Thr Asp Gly Leu Arg Gly Asn Lys Gln Asp	225	230	235
Glu Thr Thr Gln Leu Val Val Leu Asp Trp Leu Asn Gln Leu Pro Ile	245	250	255
Tyr Asp Leu Ile Ala Leu Glu Lys Thr Ile Leu Thr Thr Lys Ser Phe	260	265	270
Leu Cys Gly Ile Thr Leu Leu Arg Ser Asn Val Asn Asp Ile Glu Thr	275	280	285
Leu Lys Glu Leu Tyr Gln Phe Asn Lys Asn Ser Ile Asp Glu Asp Tyr	290	295	300
Tyr His Lys Thr Leu Glu Glu Leu Val Glu Leu Gly Asn Leu Glu Thr	305	310	315
Ile Tyr Gln Thr Glu Glu Trp Gly Glu Val Glu Asp Thr His	325	330	

&lt;210&gt; 383

&lt;211&gt; 3689

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 383

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&lt;210&gt; 384

&lt;211&gt; 1062

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 384

Met Asp Ser Asn Pro Cys Gln Asp Val Ser Gly Asp Thr Ser Ser Thr

388

1	5	10	15
Pro Met Ala Asn Asn Asn Pro Thr Asn Asp Ser Thr Ile Ser Ser Gln	20	25	30
Asn His Ser Lys Thr Gly Leu Arg Lys His Gln Gln Gln His Tyr His	35	40	45
Gln His Ser His Ser Gln Met His Ser His Ser Gln Gln Ser Pro Tyr	50	55	60
Ile Asn Gln Leu Glu Tyr Phe Thr Asn Asn Gln Phe Ser Arg Ser Phe	65	70	75
Asn Ser Leu Ile Leu Glu Asp Ala Asn Asp Ala Asn Thr Asn Asn Ser	85	90	95
Ser Thr Thr Thr Leu Asn Lys Lys Thr Ile Asn Lys Ser Pro Pro Phe	100	105	110
Asn Ile Lys Gln Asp Leu Leu Asn Asp Ser Ile Asp Thr Phe Leu Asp	115	120	125
Asn Ser Asn Thr Glu Thr Ile Glu Asp Gly Asp Val Thr Thr Thr Asp	130	135	140
Asp Asp His Asp Phe Asp Asp Glu Asp Ile Glu Asp Pro Glu Ala Val	145	150	155
Gln Tyr Thr Pro Thr Leu Asn Ile Leu Lys Ser Lys Lys Val Asp Ser	165	170	175
Phe Asn Ile Ile Ser Ser Lys His Arg Lys Ser Asn Ser Gln Ile Thr	180	185	190
Tyr Asn Ser His Val Arg Lys Pro Ser Glu Glu Asp Thr Ser Ser Ser	195	200	205
Met Ala Thr Ile Arg Leu Ser Asn Asn Ser Gln Ser Ser Ile Lys Arg	210	215	220
Ser Ser Lys Tyr Leu Asn Leu Ser Ile Asp Ser Asn Leu Lys Thr Val	225	230	235
Asp Gly Gly Lys Ile Pro Asp Glu Ile Asp Asp Ile Ser Leu Asn Glu	245	250	255
Ile Asp Val Ala Val Ala Pro Asn Asp Phe Ser Ser Pro Leu Ser Ala	260	265	270
Arg Lys Pro Asp Ile Phe Ala Ala Ile Thr Ala Ala Asn Gly Asn Ser	275	280	285
Asn Asn Gln Phe Lys Arg Pro His Lys Leu Val Ser Gln Ser Pro Ser	290	295	300
Pro Ser Ser Lys Asn Lys Phe Arg Ile Ser Ser Ser Thr Thr Ser Ser			



389

305	310					315					320				
Pro	Gln	Ser	Asn	Leu	His	Ser	Pro	Ser	Lys	Leu	Gly	Ser	Lys	Gly	Phe
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Lys	Met	Phe	Lys	Asn	Ala	Asn	Arg	Asp	Ala	Ile	Met	Ser	Ser	Ser	Arg
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Val	Met	Thr	Pro	Glu	Lys	Pro	Lys	Met	Val	Ser	Lys	Ile	Phe	Gly	Lys
		355					360					365			
Ser	Ala	Lys	Ile	Arg	Arg	Ala	Tyr	Thr	Pro	Thr	His	Thr	Ser	Thr	Pro
	370					375					380				
Met	Ala	Val	Ser	Ser	Leu	Asn	Pro	Pro	Ser	Ser	Ser	Thr	Ser	Asn	Ser
385					390					395					400
Thr	Thr	Ala	Ala	Ile	Thr	Ser	Thr	Ser	Pro	Ala	Ala	Asp	Glu	His	Tyr
				405					410					415	
Asp	Ile	Asp	Asn	Asp	Cys	Asp	Ser	Pro	Ser	Lys	Asn	Arg	Lys	Ser	Ser
			420					425					430		
Asn	Ile	Ser	Ala	Ser	Ser	Ile	Ile	Ile	Tyr	Gln	Asp	Glu	Asn	His	Ile
	435						440					445			
Lys	Ser	Asn	His	Ala	Arg	Lys	Ser	Ser	Asn	Pro	Ile	Pro	Tyr	Pro	Pro
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Thr	Glu	Pro	Leu	Pro	Thr	Asn	Ile	Ser	Ala	Ser	Val	Ala	Glu	Thr	Gly
465					470					475					480
Lys	Gly	Ser	Thr	Thr	Thr	Lys	Ser	Asn	Leu	Ser	Lys	Gly	Cys	Pro	Leu
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Phe	Asp	Asp	Lys	Glu	Asn	Lys	Ala	Ser	Tyr	Gln	Phe	Val	Lys	Pro	Leu
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Gln	Thr	Ala	Phe	Asn	Ser	Ser	Gly	Leu	Val	Lys	Lys	Asn	Ser	Ile	Ser
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Pro	Leu	Met	Ile	Leu	Asn	Thr	Asn	Lys	Val	Val	Pro	Pro	Tyr	Ser	Ser
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Gly	Phe	Ala	Glu	Gly	Lys	Asp	Val	Met	Gly	Asp	Gln	His	Asp	Ile	Tyr
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Ser	His	Ile	Pro	Cys	Gln	Asn	Gln	Arg	Phe	Pro	Gly	Ser	Val	Asn	Pro
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Asn	Thr	Thr	Thr	Asn	Asn	Asn	Asn	Thr	Gln	Gln	His	His	Asp	Ser	Asp
		595					600					605			
Leu	Ser	Ile	Glu	Val	Gly	Arg	Asn	Asn	Ser	Tyr	Asp	Ala	Ser	Ser	Ser

391

915	920	925
Asp Leu Lys Pro Ala Asn Ile Phe Ile Thr Phe Glu Gly Ser Leu Lys		
930	935	940
Ile Gly Asp Phe Gly Leu Ala Thr Lys Leu Pro Ile Leu Glu Lys Asp		
945	950	955
Phe Asp Leu Glu Gly Asp Arg Asn Tyr Ile Ala Pro Glu Leu Ile Asn		
	965	970
Asp Lys Ile Tyr Thr Pro Phe Ala Asp Ile Phe Ser Leu Gly Leu Ile		
	980	985
Ile Leu Glu Ile Ala Ala Asn Ile Ile Leu Pro Asp Asn Gly Thr Pro		
	995	1000
Trp Arg Lys Leu Arg Ser Gly Asp Leu Ser Asp Ala Gly Arg Leu Ser		
	1010	1015
Ser Asp Asn Ile Ser Met Phe Leu Gln His Asn Pro Asn Thr Asn Ser		
	1025	1030
Asn Ile Ser Gly Ser Gly Ser Arg Ser Gly Ser Gly Ser Thr Gly Gly		
	1045	1050
Asn Gly Ser Ala Gly Asp		
	1060	

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 <211> 887  
 <212> DNA  
 <213> Candida albicans

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<210> 386  
 <211> 51  
 <212> PRT

392

&lt;213&gt; Candida albicans

&lt;400&gt; 386

Met Pro Ser Gln Lys Ser Phe Arg Thr Lys Gln Lys Leu Ala Lys Ala  
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Gln Lys Gln Asn Arg Pro Leu Pro Gln Trp Ile Arg Leu Arg Thr Asp  
 20 25 30

Asn Lys Ile Arg Tyr Asn Ala Lys Arg Arg His Trp Arg Arg Thr Lys  
 35 40 45

Leu Gly Ile  
 50

&lt;210&gt; 387

&lt;211&gt; 893

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 387

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 aagaagctag aagaaagcac gtttctggta aaatcttagg tttcgtttac tag 893

&lt;210&gt; 388

&lt;211&gt; 130

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 388

Met Thr Arg Thr Ser Val Leu Ala Asp Ala Leu Asn Ala Ile Asn Asn  
 1 5 10 15

Ala Glu Lys Thr Gly Lys Arg Gln Val Leu Ile Arg Pro Ser Ser Lys  
 20 25 30

Val Ile Ile Lys Phe Leu Thr Val Met Gln Lys His Gly Tyr Ile Gly  
 35 40 45

Glu Phe Glu Tyr Ile Asp Asp His Arg Ser Gly Lys Ile Val Val Gln  
 50 55 60

393

Leu Asn Gly Arg Leu Asn Lys Cys Gly Val Ile Gln Pro Arg Phe Asn  
 65 70 75 80  
 Val Lys Ile Asn Asp Ile Glu Arg Trp Thr Asp Asn Leu Leu Pro Ala  
 85 90 95  
 Arg Gln Phe Gly Tyr Val Ile Leu Thr Thr Ser Ala Gly Ile Met Asp  
 100 105 110  
 His Glu Glu Ala Arg Arg Lys His Val Ser Gly Lys Ile Leu Gly Phe  
 115 120 125  
 Val Tyr  
 130

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 <211> 4619  
 <212> DNA  
 <213> Candida albicans

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aaaataacag  caataaattg  gtgcatatta  aaagcaatgg  tcgccaagaa  gtcacttcat  4560
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&lt;210&gt; 390

&lt;211&gt; 1372

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 390

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Met Pro Asp Asn Ile Glu Asp Arg Ser Glu Ile Pro Ser Asp Ala Lys
  1               5               10              15

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Glu Ile Val Thr Thr Asn Glu Ile Glu Ala Thr Asp Ser Glu His Thr
      20              25              30

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610				615				620							
Thr	Ile	Asn	Asn	Thr	Ser	Tyr	Ile	Lys	Ile	Phe	Pro	Ser	Ser	Glu	Leu
625					630					635					640
Lys	Lys	Glu	Gln	Val	Leu	Gln	Arg	Pro	Gln	Glu	Asp	Leu	Glu	Leu	Val
				645					650					655	
Phe	Asn	Ser	Asp	Ile	Glu	Leu	Asp	Asp	Asn	Ile	Ile	Pro	Glu	Thr	Pro
			660					665					670		
Thr	Lys	Lys	Ser	Leu	Leu	Pro	Asn	Gln	His	His	Gln	His	His	Leu	Pro
			675				680						685		
Leu	Tyr	Thr	Gln	Ser	Lys	Ser	Pro	Leu	Leu	Lys	Phe	Asp	Thr	Glu	Lys
	690					695					700				
Asp	Gly	Arg	Arg	Asn	Leu	Ser	Ile	Val	Leu	Asp	Lys	Ser	Asn	Ala	Thr
705					710					715					720
Lys	Arg	Glu	Ile	Ser	Glu	Pro	Pro	Ser	Thr	Pro	Ile	Asn	Met	Ser	Phe
				725					730					735	
Ala	Lys	Asn	Ser	Phe	Lys	Lys	Pro	Met	Asn	Asn	Ala	Glu	Arg	Gly	Asp
			740					745					750		
Asp	Pro	Asp	Ser	Ile	Ile	Ala	Gln	Arg	Ile	Asp	Ile	Met	Pro	Ser	Leu
		755					760					765			
Asp	Glu	Val	Asp	Ser	Val	Ser	Val	Tyr	Pro	Ser	Lys	Ile	Asp	Glu	His
	770					775					780				
Leu	Ile	Glu	Lys	Phe	Gly	Met	Lys	Asn	Ile	Lys	Tyr	Ile	Gly	Ser	Gly
785					790					795					800
Ala	Phe	Ser	Ile	Ala	Phe	Glu	Cys	Leu	Phe	Asn	Asn	Glu	Lys	Phe	Ala
				805					810					815	
Ile	Lys	Arg	Thr	Lys	Lys	Pro	Leu	Ile	Gly	Lys	Leu	Glu	Lys	Gln	Thr
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Ile	Lys	Arg	Glu	Ile	Glu	Ala	Leu	Arg	Val	Leu	Thr	Ser	Ile	Lys	Glu
		835					840					845			
Asp	Glu	Ala	Thr	Asn	Met	Gln	Glu	Gln	Glu	Glu	Gly	Lys	Glu	Tyr	Leu
	850					855					860				
Val	Tyr	Phe	Ile	Glu	Ala	Trp	Asp	Phe	Asn	Asn	Tyr	Tyr	Tyr	Ile	Met
865					870					875					880
Thr	Glu	Phe	Cys	Glu	Gly	Gly	Thr	Leu	Phe	Asp	Phe	Leu	Glu	Glu	Asn
			885						890					895	
Lys	His	Tyr	Lys	Ile	Asp	Glu	Phe	Arg	Ile	Trp	Lys	Ile	Leu	Ile	Glu
			900					905					910		
Ile	Leu	Asn	Gly	Leu	Lys	Phe	Ile	His	Ser	Lys	Asn	Tyr	Leu	His	Leu

395

Thr Asn Val Asp Asn Glu Leu Pro Gln Gly Glu Ser Asn Glu Gln Thr  
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 Gly Asp Asp Ser Asn Asp Asn Leu Ala Ser Lys Arg Gln Leu Ile Asn  
 50 55 60  
 Asp Leu Leu His Asn Asp His Phe Glu Glu Gly Thr Glu Arg Tyr Ile .  
 65 70 75 80  
 Ile Pro Gln Asn Phe Leu His Glu Phe Leu Asn Leu Pro Ile Asp Asn  
 85 90 95  
 Phe Ser Asp Leu Lys Asp Gln Leu Gly Pro Ile Asp Phe His Ser Leu  
 100 105 110  
 Leu Asn Glu Gln Gly Asn Leu Tyr Pro Glu Asn Glu Glu Pro Val Thr  
 115 120 125  
 Phe Cys His Val Ser Pro Glu Val Phe Gln His Leu Gly Glu Trp Phe  
 130 135 140  
 Gly Ile Leu Gly Gln Pro Ile Ile Arg Ala Ile Ile Ile Asn Pro Asp  
 145 150 155 160  
 Thr Lys Glu Lys Gln Ile Glu Arg Phe Pro Pro Leu Phe Trp Val His  
 165 170 175  
 Gln Leu Gly Lys Lys Thr Gln Pro Thr Tyr Leu Arg His Arg His Asn  
 180 185 190  
 Gly Ser Asn His Asn His His His His Gly His His Asp Ser Pro Ile  
 195 200 205  
 Pro Val Leu Leu Ser Lys Thr Ser Thr Phe His Arg Leu Met Asp Val  
 210 215 220  
 Ile Arg Tyr Asn Val Leu Lys Ala Pro Arg Lys Ser Thr Lys Asp Phe  
 225 230 235 240  
 Arg Ile Trp Phe Ile Val Pro Gln Asp Lys Gly Leu Gln Tyr Leu Ile  
 245 250 255  
 Ser Ile Gln Thr Phe Met Phe Asp Ile Ser Lys Lys Thr Leu Val Ser  
 260 265 270  
 Pro Asn Met Leu Glu Asp Ala Leu Lys Asp His Gly Ile Val Ala Ser  
 275 280 285  
 Ser Tyr Asn Ile Met Val Glu Ala Lys Glu Lys His Gln Thr Glu Phe  
 290 295 300  
 Pro Ile Asp Gln Phe Ile Leu Ser His Ser Asn Ala Tyr Glu Glu Val  
 305 310 315 320  
 Ser Gln Gly Gly Gly His Leu Gly Leu Ser Asn Met Gly Asn Thr Cys  
 325 330 335

Tyr Met Asn Ser Ala Leu Gln Cys Leu Leu His Val Pro Glu Ile Asn  
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 Tyr Tyr Phe Phe Tyr Asn Ile Tyr Lys Lys Glu Leu Asn Phe Asp Asn  
 355 360 365  
 Pro Leu Gly Tyr His Gly Asp Val Ala Asn Ala Phe Gly Ser Leu Leu  
 370 375 380  
 Lys Gln Ala Phe Asp His Val Lys Asn Ser Ser Ser Ile Ser Pro Arg  
 385 390 395 400  
 Glu Phe Lys Ser Thr Ile Gly Arg Tyr Ser Ser Met Phe Ser Gly Tyr  
 405 410 415  
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 420 425 430  
 His Glu Asp Leu Asn Arg Ile His Gln Lys Pro Tyr Cys Glu Lys Pro  
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 Glu Leu Lys Asp Asp Glu Ile Asp Asp Pro Gln Ala Ile Thr Lys Leu  
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 Ala Asn Thr Cys Trp Asn Gln His Lys Ala Arg Asn Asp Ser Val Ile  
 465 470 475 480  
 Ile Asp Leu Phe Thr Gly Leu Tyr Gln Ser Thr Leu Ile Cys Pro Asp  
 485 490 495  
 Cys Gly Lys Lys Ser Ile Thr Phe Asp Pro Phe Asn Asp Leu Thr Leu  
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 Pro Leu Pro Ile Ser Lys Lys Trp Tyr His Thr Phe Thr Ile Val Asp  
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 Leu Ser Asn Gln Gly Val Ile Pro Glu Arg Ile Met Lys Leu Glu Val  
 530 535 540  
 Glu Leu Asn Lys Thr Ser Asn Phe Asp Asp Leu Leu Ser Tyr Leu Ser  
 545 550 555 560  
 Asn Phe Leu Asn Val Pro Ser Thr Glu Leu Phe Ala Tyr Glu Ile Phe  
 565 570 575  
 Gln Asn Ala Ile Tyr Ser Asp Phe Gln Leu Asp Tyr Thr Lys Asn Lys  
 580 585 590  
 Phe Leu Pro Ile Ser Asp Ile Ile Arg Asp Thr Asp Asp Val Ile Val  
 595 600 605  
 Tyr Ile Val Pro His Asn Pro Ala Val Asp Ile Ile Val Pro Val Phe  
 610 615 620  
 Asn Ala Val Glu Asp Ala Asp Ser Ser Tyr Gln Met Val Asn Phe Phe  
 625 630 635 640



Gly Ile Pro Leu Phe Val Val Met Asn Lys Glu Val Asp Val Asn Ser  
 645 650 655  
 Phe Gly Phe Ile Arg Lys Lys Leu Leu Glu Thr Val Ser Leu Leu Ser  
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 Lys Ile Asp Leu Val Asp Glu Tyr Glu Lys Ile Lys Arg Ser Asn Glu  
 675 680 685  
 Asp Tyr Val Glu Lys Val Phe Tyr Lys Lys Ser Asp Phe Pro Ala Leu  
 690 695 700  
 Ser Gln Pro Leu Glu Thr Ser Asp Cys Glu Lys Asn Asn Asn Asn Thr  
 705 710 715 720  
 Ser Asp Asn Asp Asp Asp Glu Asp Ala Asp Asn Asp Glu Gly Tyr Asp  
 725 730 735  
 Ser Glu Val Ser Leu Ala Asn Pro Tyr Leu Gly Ala Asn Phe Gly Phe  
 740 745 750  
 Lys Ile Met Tyr Val His Asp Tyr Ser Pro Lys Leu Asn Ser Asn Leu  
 755 760 765  
 Arg Ser Arg Tyr Asn His Asp Gln Thr Thr Lys Phe Lys Gln Thr Glu  
 770 775 780  
 Arg Val Ile Asn Val Pro Thr His Lys Pro Thr Phe Ser Asp Phe Lys  
 785 790 795 800  
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 Pro Asp Tyr Lys Lys Met Asp Asp Glu Met Asp Gln Leu Val Glu Glu  
 820 825 830  
 Val Asn Gln Asn Leu Ala Glu Gln Xaa Glu Ala Arg Ser Ser Gly Ser  
 835 840 845  
 Glu Asn Ser Ser Arg Ala Ser Glu Glu Gln Asp Gly Phe Val Leu Ile  
 850 855 860  
 Asn Lys Glu Asp Thr Leu Lys Gln Gln Ser Thr Val Pro Ala Ala Ala  
 865 870 875 880  
 Glu Thr Val Pro Pro Pro Leu Pro Val Arg Asn Asn Thr Gly Val His  
 885 890 895  
 Ile Pro Ser Ser Asp Glu Glu Thr Glu Ser Glu Ala Asn Leu Gly Ser  
 900 905 910  
 Leu Phe Asp Ser Thr Ser Asn Leu Pro Leu Pro Pro Pro Ser Thr Tyr  
 915 920 925  
 Ser Glu Ser Thr Lys Pro Ser Asn Val Asn Ser Pro Met Glu Ser Asn  
 930 935 940

Phe Glu Ser Ser Ser Ala Asp Leu Asn Ser Gly Thr Thr Leu Ile Ser  
 945 950 955 960  
 Lys Asp Thr Val Leu Leu Cys Asp Trp Asp Lys Glu Ile Tyr Gln Lys  
 965 970 975  
 Cys Phe Gly Asp Lys Glu Leu Gln Ala Trp Glu Asn Ile Ser Asn Leu  
 980 985 990  
 Pro Asn Pro Glu Leu Glu Lys Asn Arg Ala His Phe Glu Arg Gln Arg  
 995 1000 1005  
 Lys Ala Lys Ile Thr Leu Ser Asp Cys Leu Lys Ser Phe Ser Thr Pro  
 1010 1015 1020  
 Glu Ile Leu Gly Glu His Asp Leu Trp Tyr Cys Pro Arg Cys Thr Glu  
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 His Lys Arg Ala Thr Lys Thr Ile Gln Leu Trp Ser Thr Gly Asp Ile  
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 Leu Thr Ile His Leu Lys Arg Phe His Ser Ala Arg Ala Phe Ser Asp  
 1060 1065 1070  
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 1075 1080 1085  
 Ser Tyr Val Ala Asn Thr Asp Leu Thr Pro Glu Asp Cys Leu Tyr Asp  
 1090 1095 1100  
 Leu Ile Ala Val Asp Asn His Tyr Gly Gly Leu Gly Gly Gly His Tyr  
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 Thr Ala Ser Val Lys Asn Phe Arg Asp Asp Lys Trp Tyr Tyr Phe Asn  
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 1155 1160 1165  
 Ile Leu Gly Gly Glu Asn Phe Ile Asp Leu Leu Gln Lys Gly Arg Glu  
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 Glu Tyr Ser Glu Ser Leu Gln Lys Lys Arg Leu Val Leu Gln Asn Val  
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 Gly Gln Ile Val Asn Thr Tyr Ala Lys Ile Glu Gln Asp Ile Ile Asp  
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 Lys Glu Thr Glu Lys Gln Lys Glu Glu Gln Glu Gln Glu Gln  
 1220 1225 1230  
 Glu Gln Glu Gln Glu Gln Glu Gln Glu Glu Pro Val Gln Glu Pro  
 1235 1240 1245

399

Asp Gln Glu Gln Glu Pro Asp Gln Glu Pro Asp Gln Asp Gln Asp Gln  
 1250 1255 1260

Glu Pro Asp Gln Glu Pro Asp Gln Asp Gln Glu Gln Asn Glu Thr Ile  
 1265 1270 1275 1280

Lys Lys Ser Arg Pro Phe Asp Glu Leu Lys Pro Ser Thr Ser Glu Thr  
 1285 1290 1295

Asn Asn Gln Gln Gln Thr Thr Gln Phe Asn Phe Asp Asp Glu Asp Asn  
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Asp Tyr Asp Tyr Glu Ala Glu Val Glu Asp Ser Asn Ile Arg Lys Gln  
 1315 1320 1325

Arg Leu Leu Ser Lys Glu Asn Asn Ser Asn Lys Leu Val His Ile Lys  
 1330 1335 1340

Ser Asn Gly Arg Gln Glu Val Thr Ser Ser Pro Val Pro Ile Glu Thr  
 1345 1350 1355 1360

Asp Gly Asp Thr Asp Val Thr Asp Ser Asn Ser Thr  
 1365 1370

&lt;210&gt; 391

&lt;211&gt; 2693

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 391

```

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acaccaccac cactgccact aaacatgaat tgatattaca acaaattttg aattcctaag 240
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400

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&lt;210&gt; 392

&lt;211&gt; 896

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 392

```

His Phe Leu Asn Ser Asn Glu Leu Ser Ser Pro Met Pro Pro Ser Phe
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Ser Ile Asn Tyr Gly Ser Glu Trp Asp Leu Glu Ile Ile Gln Thr Ser
      20                      25                      30

Leu Asp Asn Glu Lys Glu Ser Glu Thr Lys Ser Phe Thr Gly Glu Leu
      35                      40                      45

Glu Tyr Thr Ser Thr Ser Ser Asn Gly Glu His Asp Thr Thr Thr Thr
      50                      55                      60

Ala Thr Lys His Glu Leu Ile Leu Gln Gln Ile Leu Asn Ser Asn Asp
      65                      70                      75                      80

Glu Ser Tyr Ile Asn Pro Lys Ser Leu Thr Phe Asp Pro Leu Lys Ile
      85                      90                      95

Phe Thr Lys Gln Leu Ile Gly Glu Leu Ile Lys Ile Asn Gln Phe Tyr
      100                     105                     110

Asn Ser Lys Glu Ser Glu Ile Phe Lys Ile Tyr Asn Asn Leu Ile His
      115                     120                     125

Asp Leu Gln Asn Gln Asn Ile Asn Ile Asp Asp Val Phe Lys Phe Thr
      130                     135                     140

Gln Ala Tyr Asn Tyr Ser Asp Pro Asn Ile Ile Asn Thr Asp Asp His

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401

145		150		155		160
His Gln Tyr His	Leu Lys Ser Thr	Leu Ser Arg Thr	Val Thr Asn Ala			
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Ser Val Phe Asp	Thr Ile Asn His	Ile Asp Asn Asp	Tyr Asp Asn Asn			
	180	185	190			
Asn Asn Asn Gln	Lys Asn Asn Tyr	Asp Leu Glu Lys	Gln Asn Asn Thr			
	195	200	205			
Thr Val Ala Ile	His Asp Asp Asp	Ser Glu Asp Asp	Glu Glu Glu			
	210	215	220			
Glu Glu Glu Glu	Thr His Ser His	Asp Ser Val Leu	Leu Asn His Thr			
	225	230	235			240
His Phe Asn Val	Lys Gln Gln Leu	Lys Ile Thr Leu	Lys Arg Lys Ala			
	245	250	255			
Ile Thr Leu Phe	Ile Asn Leu Ser	Glu Leu Lys Ser	Phe Ile Glu Leu			
	260	265	270			
Asn Arg Ile Gly	Phe Thr Lys Ile	Cys Lys Lys Phe	Asp Lys Thr Cys			
	275	280	285			
Gly Tyr Ser Ile	Lys Gln Asp Phe	Ile Asn Glu Phe	Leu Pro Gln Tyr			
	290	295	300			
Ser Arg Val Phe	Glu Asn Asp Thr	Ile Glu Glu Leu	Asp Tyr Lys Leu			
	305	310	315			320
Asn Gln Ile Ile	Lys Ile Tyr Ala	Phe Leu Ser Asn	Lys Leu Thr Thr			
	325	330	335			
Gln Ser Thr Thr	Lys Glu Asp Leu	Asp Asn Ile Lys	Phe Glu Leu Arg			
	340	345	350			
Ser Tyr Leu Arg	Asp His Ile Val	Phe Glu Arg Asn	Thr Val Trp Lys			
	355	360	365			
Asp Leu Leu Ser	Leu Glu Lys Lys	Ser Tyr Asn Ile	Asp Leu Asp Asn			
	370	375	380			
Ser Val Val Gln	Asn Asn Lys Met	Gly Asp Glu Gly	His Ile Ile Asn			
	385	390	395			400
Ser Met Met Asn	Leu Ser Met Lys	Arg Ile Asn Leu	Pro Gln Cys Leu			
	405	410	415			
Lys Lys Leu Ile	Lys Tyr Asp His	Ile Asp Ile Pro	Gln Phe Leu Leu			
	420	425	430			
Thr Thr Gln Met	Leu Lys Ile Ile	Ile Ile Val Ile	Val Phe Ile Ile			
	435	440	445			
Leu Leu Ala Val	Lys Thr Phe Asn	Asp Pro Val Gln	Gly Arg Cys Leu			

402

450	455	460
Ala Val Leu Val Ala	Ala Ala Met Leu Trp	Ala Ser Glu Ala Leu Pro
465	470	475 480
Leu Tyr Thr Thr	Ala Leu Leu Ile Pro	Leu Leu Val Val Thr Cys Lys
	485	490 495
Val Cys Lys Thr	Pro Gly Thr Asp	Asp Pro Met Asp Ala Thr Lys Ala
	500	505 510
Ser Gln Tyr Ile Phe	Gly Thr Met Trp	Asn Ser Thr Ile Met Ile Leu
	515	520 525
Ile Gly Gly Phe Thr	Leu Ala Ala Ala Leu Ser	Lys Tyr Asn Leu Ala
	530	535 540
Lys Ile Leu Ser Ser	Tyr Ile Leu Ala Leu	Ala Gly Thr Asn Pro Arg
	545	550 555 560
Asn Val Leu Leu Ala	Ile Met Cys Val	Ser Leu Phe Leu Ser Met Trp
	565	570 575
Ile Ser Asn Val Ala	Ala Pro Val Leu Cys	Phe Ser Leu Ile Gln Pro
	580	585 590
Val Leu Arg Ser Ile	Pro Thr Asp Ser	Pro Val Ala Lys Ala Leu Val
	595	600 605
Leu Gly Ile Ala Leu	Ala Ser Asp Val	Ala Gly Met Ala Ser Pro Ile
	610	615 620
Ala Ser Pro Gln Asn	Val Ile Ala Leu Glu	Ser Met Asn Pro Asn Pro
	625	630 635 640
Gly Trp Gly Lys Trp	Phe Ala Val Ala	Leu Pro Val Ala Ile Ile Ser
	645	650 655
Leu Ile Leu Ile Trp	Val Glu Leu Phe	Met Thr Phe Lys Ile Asn Asn
	660	665 670
Val Lys Ile Lys Gln	Phe Lys Pro Ile	Lys Glu Lys Leu Thr Met Lys
	675	680 685
Gln Trp Phe Val Phe	Ala Val Thr Ile	Thr Thr Ile Leu Leu Trp Cys
	690	695 700
Val Met Gln Lys Ile	Asp Gly Thr Phe	Gly Glu Ser Gly Ile Ile Thr
	705	710 715 720
Cys Ile Pro Ile Val	Leu Phe Phe Gly	Thr Gly Leu Leu Lys Val Asp
	725	730 735
Asp Leu Asn Asn Tyr	Pro Trp Ser Ile	Val Met Leu Ala Met Gly Gly
	740	745 750
Ile Ala Leu Gly Lys	Ala Val Thr Ser	Ser Gly Leu Leu Lys Thr Ile

403

755	760	765
Ala Leu Ala Leu Gln Lys Arg Ile Met His Tyr Asp Ala Ile Val Val 770 775 780		
Leu Ile Ile Phe Gly Ala Leu Ile Leu Val Val Ala Thr Phe Val Ser 785 790 795 800		
His Thr Val Ser Ala Leu Ile Ile Ile Pro Leu Val Lys Glu Val Gly 805 810 815		
Asp Ser Leu Pro Lys Pro His Pro Leu Met Leu Ile Met Gly Val Ala 820 825 830		
Leu Ile Ala Ser Gly Ala Met Gly Leu Pro Thr Ser Gly Phe Pro Asn 835 840 845		
Val Thr Ala Ile Gly Met Arg Asp Glu Val Gly Lys Pro Tyr Leu Thr 850 855 860		
Val Asn Leu Phe Ile Thr Arg Gly Val Pro Ala Ser Ile Ile Val Tyr 865 870 875 880		
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 <212> DNA  
 <213> Candida albicans

<400> 393  
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 tgctgtcggt cctgcctcat tttccacgcc cattacatta tatgactaat atccgttgcc 240  
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 tttcgaagga caataaaacg atatatattt atatattaga gtgaacaata gcgattgcc 420  
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 aaaaaagaat cgaattccat atgtcgcata agactcagag ccaattatct tcacaaatga 540  
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 ctgaaccaaa tctgcaaccg caacaacaac aatcacaacc agaagcaaaa acggagccac 660  
 aaaccatacg ccctgctact tttacaacta gtggcaattc atcatcttcg tcgatattca 720  
 ccttatcagc agatatcatt caaccacttc atcaactact gataaataac aacaattcaa 780  
 ctgtgacgca accagcgcca caaagctcat cgtttcaacg ccgaaacaat ccacaacgtt 840  
 tcaatcggaa tcaactcaat gtatacactg acttcaatag tactacttca tctgcttcaa 900  
 gcattagtag ttcacccaaa gatttcttca ccagagagcc accacggatc catagtaa 960  
 tgatatgtga agagattgcc tctgccaata atcgagctgc taaagagggt ttatcacggt 1020  
 tatctactga tgaattgcgt tcagttaaat cacatactga attagctgaa actgcta 1080  
 gagtgagaat gtagccaaa aatttatccc gagcaaccat tcaattagac gtttagagcta 1140  
 ttatgattat cactaaagct agagataatg gacttattta tttaacaaaa gaagttgttg 1200

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aatggatttt ggatcaacat cctcatataa caatttatgc tgatgagaaa ttagcaaagt 1260
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&lt;210&gt; 394

&lt;211&gt; 592

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 394

```

Met Ser His Lys Thr Gln Ser Gln Leu Ser Ser Gln Met Lys Asn Leu
  1              5              10              15

Asn Thr Pro Pro Ile Asp Phe Asn Ser Thr Ser Ser Asn Asn Thr Met
      20              25              30

Pro Ser Glu Pro Asn Ser Gln Pro Gln Gln Gln Gln Ser Gln Pro Glu
      35              40              45

Ala Lys Thr Glu Pro Gln Thr Ile Arg Pro Ala Thr Phe Thr Thr Ser
      50              55              60

Gly Asn Ser Ser Ser Ser Ser Ile Ser Thr Leu Ser Ala Asp Ile Ile
      65              70              75              80

Gln Pro Leu His Gln Leu Ser Ile Asn Asn Asn Asn Ser Thr Val Thr
      85              90              95

Gln Pro Ala Pro Gln Ser Ser Ser Phe Gln Arg Arg Asn Asn Pro Gln
      100              105              110

Arg Phe Asn Arg Asn Gln Leu Asn Val Tyr Thr Asp Phe Asn Ser Thr
      115              120              125

Thr Ser Ser Ala Ser Ser Ile Ser Ser Ser Pro Lys Asp Phe Phe Thr
      130              135              140

Arg Glu Pro Pro Arg Ile His Ser Lys Leu Ile Cys Glu Glu Ile Ala
      145              150              155              160

Ser Ala Asn Asn Arg Ala Ala Lys Glu Val Leu Ser Arg Leu Ser Thr

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405

165										170					175				
Asp	Glu	Leu	Arg	Ser	Val	Lys	Ser	His	Thr	Glu	Leu	Ala	Glu	Thr	Ala				
			180					185					190						
Asn	Gly	Val	Arg	Met	Leu	Ala	Lys	Asn	Leu	Ser	Arg	Ala	Thr	Ile	Gln				
		195					200					205							
Leu	Asp	Val	Arg	Ala	Ile	Met	Ile	Ile	Thr	Lys	Ala	Arg	Asp	Asn	Gly				
		210				215					220								
Leu	Ile	Tyr	Leu	Thr	Lys	Glu	Val	Val	Glu	Trp	Ile	Leu	Asp	Gln	His				
		225			230				235					240					
Pro	His	Ile	Thr	Ile	Tyr	Ala	Asp	Glu	Lys	Leu	Ala	Lys	Ser	Lys	Arg				
			245					250						255					
Phe	Asn	Pro	Glu	Ser	Ile	Ile	Ala	Asn	Tyr	Pro	Asn	Gly	Cys	Lys	Lys				
			260					265					270						
Leu	Lys	Tyr	Trp	Asn	Lys	Lys	Leu	Thr	Thr	Lys	Asn	Pro	Glu	Ile	Phe				
		275					280					285							
Asp	Leu	Val	Leu	Thr	Leu	Gly	Gly	Asp	Gly	Thr	Val	Leu	Phe	Ala	Ser				
		290				295					300								
Asn	Leu	Phe	Gln	Lys	Ile	Val	Pro	Pro	Ile	Leu	Ser	Phe	Ser	Leu	Gly				
		305			310				315						320				
Ser	Leu	Gly	Phe	Leu	Thr	Asn	Phe	Glu	Phe	Ser	Ala	Phe	Arg	Thr	Val				
			325					330						335					
Leu	Ser	Lys	Cys	Phe	Asp	Ser	Gly	Val	Lys	Ala	Asn	Leu	Arg	Met	Arg				
			340					345					350						
Phe	Thr	Cys	Arg	Val	His	Thr	Asp	Glu	Gly	Lys	Leu	Ile	Cys	Glu	Gln				
		355					360					365							
Gln	Val	Leu	Asn	Glu	Leu	Val	Val	Asp	Arg	Gly	Pro	Ser	Pro	Tyr	Val				
		370				375					380								
Thr	His	Leu	Glu	Leu	Tyr	Gly	Asp	Gly	Ser	Leu	Leu	Thr	Val	Ala	Gln				
					390				395						400				
Ala	Asp	Gly	Leu	Ile	Ile	Ala	Thr	Pro	Thr	Gly	Ser	Thr	Ala	Tyr	Ser				
				405					410					415					
Leu	Ser	Ala	Gly	Gly	Ser	Leu	Val	His	Pro	Gly	Val	Ser	Ala	Ile	Ser				
			420					425					430						
Val	Thr	Pro	Ile	Cys	Pro	His	Thr	Leu	Ser	Phe	Arg	Pro	Ile	Leu	Leu				
			435				440					445							
Pro	Asp	Gly	Met	Phe	Leu	Lys	Val	Lys	Val	Pro	Ser	Ser	Ser	Arg	Ala				
			450			455					460								
Thr	Ala	Trp	Cys	Ser	Phe	Asp	Gly	Lys	Val	Arg	Thr	Glu	Leu	Lys	Lys				

406

465		470		475		480
Gly Tyr Tyr Val Thr Ile Gln Ala Ser Pro Phe Pro Leu Pro Thr Val						
		485		490		495
Met Ser Ser Lys Thr Glu Tyr Ile Asp Ser Val Ser Arg Asn Leu His						
		500		505		510
Trp Asn Ile Arg Glu Gln Gln Lys Pro Phe Ser Ser Tyr Leu Lys Pro						
		515		520		525
Glu Thr Arg Gln Ser Ile Ala Glu Ser Glu Arg Leu Asp Asn Leu His						
		530		535		540
Ile Ser Ser Glu Gln Asp Glu Ser Asn His Glu Glu Pro Glu Ile Thr						
		545		550		555
Glu Asp Phe Asp Ile Asn Tyr Thr Asp Asn Glu Arg Asp Ser Ser Ser						
		565		570		575
Ser Thr Pro Ser Glu Glu Ser Asn Glu Glu Cys Ala Asn Thr Thr Thr						
		580		585		590

<210> 395  
 <211> 1042  
 <212> DNA  
 <213> Candida albicans

<400> 395  
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 cacaacaaac catatgttta caaaaccaga ccagatggta tgaacatcat caacattgggt 180  
 aaaacttggg aaaaaattgt tttggctgcc agaattattg ctgctgttcc aaacgcttct 240  
 gatgttgctg tttgttcttc aagaactttc ggtcaaagag ctgttttgaa atttgctgct 300  
 cacactggtg ctactgccat tgctggtaga ttcactccag gtaactttac caattatatc 360  
 actcgttcat tcaaagaacc aagattagtt gttgttactg acccaagaac cgatgctcaa 420  
 gccatcaaag aatcatctta tgtaaacatt ccagttattg ccttgactga catgcagtct 480  
 ccatctgaat acgttgatgt tgccattcca tgtaacaaca aaggtaaaca ctgtattggg 540  
 ttaatctggg gggtgcttgc tagagaagtc ttgagattaa gaggtattat ccagacaga 600  
 actaccgaat ggtcagttat gccagatttg tacttctaca gagaccaga agaaattgaa 660  
 caaaatgccg tcgaagaagc taaaactgaa ggagttgaag gagctccagt tgctgaagct 720  
 gaaaccgaat ggactgggta aactgaagat gttgattggg ctgattctgg tgctaccccc 780  
 agctgctgaa gatgctgctg cttctatctg gtaaacactg aaatctacca ataagaagta 840  
 gaagtagaag tagaagaaga aacaataaca acaataacaa ccaaaataaa aaaaaggttt 900  
 aatgatgtat attatcgata aggagaaaga agagattttc ttttttaata atgaggatgc 960  
 cattttatac aaatccaaaa ttgtaattaa gaaagattaa taaatataaa atatatatat 1020  
 ataagtaaaaa aaaaaaaaaa aa 1042

<210> 396  
 <211> 253  
 <212> PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 396

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Met Ser Leu Pro Ala Ser Phe Asp Leu Thr Pro Glu Asp Ala Lys Leu
  1              5              10              15

Leu Leu Ala Ala Asn Val His Leu Gly Ala Lys Asn Val Gln Val His
      20              25              30

Asn Lys Pro Tyr Val Tyr Lys Thr Arg Pro Asp Gly Met Asn Ile Ile
      35              40              45

Asn Ile Gly Lys Thr Trp Glu Lys Ile Val Leu Ala Ala Arg Ile Ile
      50              55              60

Ala Ala Val Pro Asn Ala Ser Asp Val Ala Val Cys Ser Ser Arg Thr
      65              70              75              80

Phe Gly Gln Arg Ala Val Leu Lys Phe Ala Ala His Thr Gly Ala Thr
      85              90              95

Ala Ile Ala Gly Arg Phe Thr Pro Gly Asn Phe Thr Asn Tyr Ile Thr
      100             105             110

Arg Ser Phe Lys Glu Pro Arg Leu Val Val Val Thr Asp Pro Arg Thr
      115             120             125

Asp Ala Gln Ala Ile Lys Glu Ser Ser Tyr Val Asn Ile Pro Val Ile
      130             135             140

Ala Leu Thr Asp Met Gln Ser Pro Ser Glu Tyr Val Asp Val Ala Ile
      145             150             155             160

Pro Cys Asn Asn Lys Gly Lys His Cys Ile Gly Leu Ile Trp Trp Leu
      165             170             175

Leu Ala Arg Glu Val Leu Arg Leu Arg Gly Ile Ile Pro Asp Arg Thr
      180             185             190

Thr Glu Trp Ser Val Met Pro Asp Leu Tyr Phe Tyr Arg Asp Pro Glu
      195             200             205

Glu Ile Glu Gln Asn Ala Val Glu Glu Ala Lys Thr Glu Gly Val Glu
      210             215             220

Gly Ala Pro Val Ala Glu Ala Glu Thr Glu Trp Thr Gly Glu Thr Glu
      225             230             235             240

Asp Val Asp Trp Ala Asp Ser Gly Ala Thr Pro Ser Cys
      245             250

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&lt;210&gt; 397

&lt;211&gt; 1335

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 397

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tcggggctac aaatttcgtc catgaaaatt ggggttcgcca ccaatacttt gtatgcgatt 60
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tctgacaacg agtacaatga aggtgctatg agtttggcgg tggctttggc acggtacttt 180
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tatagcaccg ggttgcagac tttgtttagg ggtatcctca aattgacgct tgtcgggttg 540
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gaccggttgg tcaactgctg gtcggacata cagtgttggg catggtttat cgttgttttg 1260
gggtggttcc cagcgtgggt gattatcaca ctaagctact gtggctacaa gccagttaag 1320
gaaaaaagtg aatag                                     1335

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&lt;210&gt; 398

&lt;211&gt; 444

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 398

```

Ser Gly Leu Gln Ile Ser Ser Met Lys Ile Gly Phe Ala Thr Asn Thr
  1                   5                   10                   15

Leu Tyr Ala Ile Met His Ala Pro Arg Gly Glu Asn Thr Glu Ala Met
                20                   25                   30

Ala Leu Val Val Pro Trp Thr Asn Ser Asp Asn Glu Tyr Asn Glu Gly
    35                   40                   45

Ala Met Ser Leu Ala Val Ala Leu Ala Arg Tyr Phe Thr Lys Met Ser
    50                   55                   60

Ile Trp Ser Lys Asn Ile Ile Phe Val Phe Pro Glu Thr Gly His Arg
    65                   70                   75                   80

Pro Leu Arg Ser Trp Val Glu Ala Tyr His Thr Val Leu Asp Asp Thr
                85                   90                   95

Ala Gly Ser Ile Glu Ala Ala Ile Ile Met Glu Tyr Gly Lys Asn Gly
    100                   105                   110

Asp Tyr Phe Glu Tyr Tyr Asp Met Phe Tyr Glu Gly Leu Asn Gly Gln
    115                   120                   125

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Leu	Pro	Asn	Leu	Asp	Leu	Leu	Asn	Thr	Ala	Asn	Val	Met	Thr	Tyr	His
	130					135					140				
Glu	Gln	Ile	Pro	Cys	Ala	Met	Gln	Gly	Met	Ser	Asp	Arg	Val	Ile	Asn
145					150					155					160
Tyr	Ser	Thr	Arg	Leu	Gln	Thr	Leu	Phe	Arg	Gly	Ile	Leu	Lys	Leu	Thr
				165					170					175	
Leu	Val	Gly	Leu	Thr	Asp	Glu	Val	His	Gly	Cys	Glu	Ala	Phe	Ser	Gly
			180					185					190		
Trp	Gln	Ile	Gln	Ala	Phe	Thr	Ile	Lys	Val	Arg	Gly	Thr	Glu	Gly	Lys
	195						200					205			
Asp	Val	Thr	Gln	Phe	Gly	Arg	Ile	Val	Asp	Ser	Thr	Phe	Arg	Ser	Val
	210					215					220				
Asn	Asn	Leu	Leu	Glu	Lys	Phe	His	Gln	Ser	Phe	Phe	Phe	Tyr	Leu	Met
225					230					235					240
Leu	Ser	Pro	Lys	His	Phe	Val	Ser	Ile	Gly	Thr	Tyr	Leu	Pro	Ser	Ala
				245					250					255	
Ile	Leu	Leu	Ala	Val	Ser	Tyr	Ala	Leu	Ser	Ser	Val	Ser	Ala	Val	Val
			260					265					270		
Val	Ala	Gly	Phe	Asp	Phe	Arg	Lys	Leu	Tyr	Phe	Val	Val	Val	Val	Glu
		275					280					285			
Ile	Ala	Cys	Ala	Ile	Leu	Ala	Phe	Val	Pro	Val	Asn	Gln	Val	Met	Leu
	290					295					300				
Val	Ala	Ile	Ser	Ala	Val	Val	Leu	Leu	Pro	Arg	Gln	Ala	Ile	Phe	Ser
305					310					315					320
Lys	Gln	Ala	Ala	Phe	Ser	Leu	Ile	Ser	Ile	Ala	Leu	Leu	Ala	Val	Ala
				325					330					335	
Leu	Leu	Ile	Thr	Ala	Leu	Leu	Ile	Val	His	Phe	Ala	Leu	Ala	Phe	Ser
			340					345					350		
Ile	Gly	Ile	Leu	Ala	Leu	Pro	Leu	Thr	Phe	Val	Pro	Thr	Leu	Met	Lys
		355					360					365			
Asn	Lys	Ser	Arg	Leu	Thr	Ala	Phe	Cys	Leu	Ala	Val	Ser	Asn	Pro	Phe
	370					375					380				
Phe	Val	Ile	Phe	Val	Ala	Gly	Lys	Val	Leu	Gly	His	Pro	Glu	Leu	Phe
385					390					395					400
Asp	Arg	Leu	Val	Thr	Ala	Trp	Ser	Asp	Ile	Gln	Cys	Trp	Thr	Trp	Phe
				405					410					415	
Ile	Val	Val	Leu	Gly	Trp	Phe	Pro	Ala	Trp	Val	Ile	Ile	Thr	Leu	Ser
			420					425					430		

410

Tyr Cys Gly Tyr Lys Pro Val Lys Glu Lys Ser Glu  
 435 440

<210> 399  
 <211> 1190  
 <212> DNA  
 <213> Candida albicans

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 gaactcgaac catttggttg acgctgacga ttaataatgt gaatttcttt ttcttttttg 240  
 gttgtagtaa ttgctttggt ttgttgctta aattaggaaa atgtcgtgac cttacgtaca 300  
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 aagattataa ataggggggtg gaagggtcgcc actgtttgaa atgaatcaac acagtttttt 420  
 ttcttcttgc tttttctttc tattttacat tacaaattct gacaatcgtc aactaacata 480  
 tatatacaaa tctacaagca atgcaaattt tcgttaaaac ttgactgggt aaaaccatta 540  
 ccttagaagt cgaatcttct gacaccatcg ataacgtcaa atccaagatc caagacaaag 600  
 aagggtattcc accagaccaa caaagattga ttttcgccgg taaacaatta gaagatggca 660  
 gaaccttgtc tgactacaac atccaaaaag aatctacttt acatttggtt ttaagattga 720  
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 aatcttctga caccatcgat aacgtcaaat ccaagatcca agacaaagaa ggtattccac 840  
 cagaccaaca aagattgatt ttgcgccggt aacaattgga agacggtaga accttgtctg 900  
 actacaacat ccaaaaagaa tctactttac atttggtttt aagattgaga ggtggtatgc 960  
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 ccacgataa cgtcaaatcc aagatccaag acaaagaagg tattccacca gatcaacaaa 1080  
 gattgatttt tgctggtaaa caattagaag atggcagaac cttgtctgac tacaacatcc 1140  
 aaaaagaatc taccttgcac ttggtcttga gattgagagg tggtttctaa 1190

<210> 400  
 <211> 229  
 <212> PRT  
 <213> Candida albicans

<400> 400  
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 1 5 10 15  
 Val Glu Ser Ser Asp Thr Ile Asp Asn Val Lys Ser Lys Ile Gln Asp  
 20 25 30  
 Lys Glu Gly Ile Pro Pro Asp Gln Gln Arg Leu Ile Phe Ala Gly Lys  
 35 40 45  
 Gln Leu Glu Asp Gly Arg Thr Leu Ser Asp Tyr Asn Ile Gln Lys Glu  
 50 55 60  
 Ser Thr Leu His Leu Val Leu Arg Leu Arg Gly Gly Met Gln Ile Phe  
 65 70 75 80  
 Val Lys Thr Leu Thr Gly Lys Thr Ile Thr Leu Glu Val Glu Ser Ser  
 85 90 95

411

Asp Thr Ile Asp Asn Val Lys Ser Lys Ile Gln Asp Lys Glu Gly Ile  
 100 105 110  
 Pro Pro Asp Gln Gln Arg Leu Ile Phe Ala Gly Lys Gln Leu Glu Asp  
 115 120 125  
 Gly Arg Thr Leu Ser Asp Tyr Asn Ile Gln Lys Glu Ser Thr Leu His  
 130 135 140  
 Leu Val Leu Arg Leu Arg Gly Gly Met Gln Ile Phe Val Lys Thr Leu  
 145 150 155 160  
 Thr Gly Lys Thr Ile Thr Leu Glu Val Glu Ser Ser Asp Thr Ile Asp  
 165 170 175  
 Asn Val Lys Ser Lys Ile Gln Asp Lys Glu Gly Ile Pro Pro Asp Gln  
 180 185 190  
 Gln Arg Leu Ile Phe Ala Gly Lys Gln Leu Glu Asp Gly Arg Thr Leu  
 195 200 205  
 Ser Asp Tyr Asn Ile Gln Lys Glu Ser Thr Leu His Leu Val Leu Arg  
 210 215 220  
 Leu Arg Gly Gly Phe  
 225

<210> 401  
 <211> 2390  
 <212> DNA  
 <213> Candida albicans

<400> 401  
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 cattctggta tattgagatt gaaactagga aagagaataa aaagacaatt ttcaattggg 1260  
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```

&lt;210&gt; 402

&lt;211&gt; 629

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 402

```

Met Arg Ile Leu Cys Val Ala Glu Lys Pro Ser Ile Ser Lys Glu Val
  1             5             10             15

Ala Asn Ile Leu Gly Gly Gly Arg Lys Lys Val Arg Asn Ser Arg Glu
      ,      20             25             30

Lys Phe Ile Lys Asn Tyr Asp Phe Thr Phe Thr Phe Asn Ser Glu Asp
      35             40             45

Gly Pro Cys Gln Val Thr Met Thr Ser Val Ala Gly His Ile Thr Gly
      50             55             60

Leu Asp Phe Gly Ser Ala Phe Ser Trp Gly Asn Cys Val Pro Gly Arg
      65             70             75             80

Leu Phe Glu Ala Asp Ile Lys Thr Ile Ile Thr Lys Lys Ser Ile Tyr
      85             90             95

Glu Asn Ile Ala Glu Glu Ala Arg Asn Ala Asp Lys Leu Met Ile Trp
      100             105             110

Thr Asp Cys Asp Arg Glu Gly Glu Tyr Ile Gly Phe Glu Ile Met Asn
      115             120             125

Ala Ala Arg Lys Tyr Asn Arg Asn Leu Gly Leu Asn Asn Ile Trp Arg
      130             135             140

Ala Arg Phe Ser His Leu Glu Arg Asn His Ile Ile Arg Ala Ala Lys
      145             150             155             160

Asn Pro Val Asn Leu Asp Met Ser Ala Val Ser Ala Val Ser Cys Arg

```



165					170					175					
Met	Glu	Ile	Asp	Leu	Arg	Val	Gly	Thr	Ser	Phe	Thr	Arg	Leu	Leu	Thr
			180					185					190		
Asp	Gln	Leu	Arg	Gln	Lys	Gly	Ile	Ile	Glu	Lys	Asn	Glu	Leu	Ala	Ser
		195					200					205			
Tyr	Gly	Thr	Cys	Gln	Phe	Pro	Thr	Leu	Gly	Phe	Val	Val	Asp	Arg	Tyr
	210					215					220				
Lys	Arg	Val	Lys	Ser	Phe	Thr	Pro	Glu	Pro	Phe	Trp	Tyr	Ile	Glu	Ile
	225					230					235				240
Glu	Thr	Arg	Lys	Glu	Asn	Lys	Lys	Thr	Ile	Phe	Asn	Trp	Val	Arg	Gly
				245					250					255	
His	Phe	Phe	Asp	Lys	Met	Tyr	Val	Val	Met	Leu	Tyr	Asp	Arg	Cys	Cys
			260					265					270		
Lys	Ser	Gly	Glu	Phe	Gly	Thr	Ile	Ser	Lys	Ile	Glu	Ser	Lys	Arg	Lys
		275					280					285			
Pro	Asn	Phe	Arg	Pro	Phe	Pro	Leu	Thr	Thr	Val	Glu	Leu	Gln	Lys	Asp
	290					295					300				
Cys	Ala	Arg	Phe	Phe	Lys	Met	Ser	Ala	Lys	Thr	Ala	Leu	Ala	Ala	Ala
	305					310					315				320
Glu	Arg	Leu	Tyr	Asn	Leu	Gly	Tyr	Leu	Ser	Tyr	Pro	Arg	Thr	Glu	Thr
				325					330					335	
Asp	Arg	Phe	Ala	Lys	Glu	Thr	Asp	Phe	Lys	Ser	Leu	Leu	Glu	Val	His
			340					345					350		
Lys	Gln	Asp	Pro	Arg	Trp	Gly	Ser	Tyr	Thr	Thr	Lys	Leu	Leu	Asn	Glu
		355					360					365			
Gly	Phe	Glu	Thr	Pro	Arg	Ser	Gly	Ser	His	Asp	Asp	Lys	Ala	His	Pro
	370					375					380				
Pro	Ile	His	Pro	Ile	Lys	Tyr	Val	Ser	Leu	Asp	Thr	Leu	Asn	Thr	Leu
	385					390					395				400
Asp	Glu	Lys	Lys	Val	Tyr	Glu	Tyr	Val	Val	Arg	Arg	Phe	Ile	Ala	Cys
				405					410					415	
Cys	Ser	Lys	Asp	Ala	Val	Gly	Thr	Gln	Thr	Val	Val	Thr	Leu	Lys	Trp
			420					425					430		
Gly	Asp	Glu	Phe	Phe	Thr	Ala	Ser	Gly	Leu	Met	Val	His	Glu	Lys	Asn
		435					440					445			
Tyr	Leu	Glu	Val	Tyr	Thr	Tyr	Lys	Lys	Trp	Glu	Ser	Ser	Lys	Gln	Leu
	450					455					460				
Pro	Lys	Phe	Thr	Glu	Gly	Glu	Gln	Val	Lys	Leu	Ser	Ser	Gly	Ile	Leu

414

465                      470                      475                      480  
 Lys Asp Gly Lys Thr Ser Pro Pro Asn His Met Thr Glu Pro Glu Leu  
                                  485                      490                      495  
 Ile Ala Leu Met Asp Ala Asn Gly Ile Gly Thr Asp Ala Thr Ile Ala  
                                  500                      505                      510  
 Glu His Ile Asn Lys Ile Glu Thr Arg His Tyr Ile Asn Lys Leu Lys  
                                  515                      520                      525  
 Lys Gly Lys Asn Glu Tyr Ile Leu Pro Thr Pro Leu Gly Met Gly Leu  
                                  530                      535                      540  
 Ile Glu Gly Leu Glu Lys Met Glu Phe Glu Asp Val Ser Leu Ser Lys  
 545                                   550                      555                      560  
 Pro Phe Leu Arg Lys Ser Leu Glu Arg Ser Leu Glu Asp Ile Ala Thr  
                                  565                      570                      575  
 Gly Ser Arg Pro Lys Val Asp Val Leu Asn Thr Thr Ile Gly Val Tyr  
                                  580                      585                      590  
 Val Asp Ala Tyr Ser Val Cys Ser His Gln Ile Leu Val Leu Cys Asn  
                                  595                      600                      605  
 Glu Cys Arg Arg Ile Ile Leu Gly Asn Ser Ser Asn Asn Asn Asn Asn  
                                  610                      615                      620  
 Asn Asn Asn Asn Thr  
 625

<210> 403  
 <211> 3098  
 <212> DNA  
 <213> Candida albicans

<400> 403  
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 caacctgatt atattgcctt atatacagct tgtaaaaaaa cacataagaa agtttacatc 180  
 tcaagatgaa ttatccccct attgtaaaaa gtacatcgcc taatgataga catcatagag 240  
 tactggcgac tccttacatg atggtaacga caacaactac aacaaaaaaa aaacattatc 300  
 ttgacggtat aattagtagt gtgcgagagg cacacgataa gatttatcag tttccttttc 360  
 tcggttgacc ttaatctggt tttgtataga ctttattttt tttgtttttg accacaccca 420  
 ctttttaata tcacaagata ttttaactgat tatagaaaac aacaacaata acccaaatac 480  
 gttaaccact tttattacat atgatagaca atataatcaa taatttgcaa atcactactac 540  
 agcaaaatga tgataatttt acatcccctc acgacgatgt gatatatcga ccacattctg 600  
 ctcgtgtagc acgatatcaa gtaataattg catctacatt gggactcact gccctattac 660  
 tatttttctat cttacgatta aaatatccca aaatatatgt ggcaaaacttt aatcatttga 720  
 atttcagtct acattcgacc tcaagaagga atttacctga attgccttca aattcattat 780  
 ttggttggtat tcctacagtt tacaaaatta ctgagcaaga aattttggaa catgctggat 840  
 tagatgcagt tgtgtttttg gaatttttta aaatgtgcat tcgaataata agcatatggt 900  
 tagtatttgc cattattatc atatctccta tcagatacaa gtttacaggg agagtagatg 960  
 aagattatcc cgacgatgat agtgacaacg atgacgatga tggaagtaat aataatggta 1020

```

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ttactgttta ctttctattc aaacaaacca ataggattat ttctatgcgt cagaagtatc 1200
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aaccacctca atatttcagt tcagaatggg actattaa 3098

```

&lt;210&gt; 404

&lt;211&gt; 865

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 404

```

Met Ile Asp Asn Ile Ile Asn Asn Leu Gln Ile Ile Leu Gln Gln Asn
 1             5             10            15

Asp Asp Asn Phe Thr Ser Pro His Asp Asp Val Ile Tyr Arg Pro His
      20             25            30

Ser Ala Arg Val Ala Arg Tyr Gln Val Ile Ile Ala Ser Thr Leu Gly
      35             40            45

Leu Thr Ala Leu Leu Leu Phe Ser Ile Leu Arg Leu Lys Tyr Pro Lys
      50             55            60

Ile Tyr Val Ala Asn Phe Asn His Leu Asn Phe Ser Leu His Ser Thr
      65             70            75            80

```



417

Ser	Leu	Arg	Lys	Gly	Trp	Phe	Gly	Leu	Phe	Gly	Pro	Lys	Val	Asp	Ser	385	390	395	400
Ile	Asn	Tyr	Tyr	Thr	Asp	Lys	Leu	Glu	Val	Ile	Asp	Lys	Glu	Ile	Thr	405	410	415	
Arg	Ala	Arg	Thr	Arg	Glu	Tyr	Pro	Ala	Thr	Ser	Thr	Ala	Phe	Leu	Thr	420	425	430	
Met	Lys	Thr	Val	Ala	Glu	Ala	Gln	Met	Leu	Ala	Gln	Ala	Val	Leu	Asp	435	440	445	
Pro	Lys	Val	Asn	His	Leu	Ile	Thr	Asn	Leu	Ala	Pro	Ala	Pro	His	Asp	450	455	460	
Ile	Arg	Trp	Asp	Asn	Leu	Ser	Leu	Thr	Arg	Gln	Asp	Arg	Asn	Thr	Lys	465	470	475	480
Ile	Leu	Ala	Val	Thr	Ile	Phe	Ile	Gly	Ile	Met	Ser	Leu	Leu	Leu	Val	485	490	495	
Tyr	Pro	Val	Arg	Phe	Met	Ala	Ser	Phe	Leu	Asn	Thr	Lys	Ser	Ile	Ser	500	505	510	
Lys	Ile	Trp	Pro	Ser	Leu	Gly	Lys	Ala	Ile	Glu	Ser	His	Lys	Trp	Ala	515	520	525	
Glu	Thr	Leu	Ile	Thr	Gly	Leu	Leu	Pro	Thr	Tyr	Leu	Phe	Thr	Ile	Leu	530	535	540	
Asn	Ile	Val	Ile	Pro	Phe	Phe	Tyr	Val	Trp	Ile	Ser	Glu	Lys	Gln	Gly	545	550	555	560
Tyr	Leu	Ser	His	Ser	Asp	Glu	Glu	Leu	Ser	Ser	Val	Ser	Lys	Asn	Phe	565	570	575	
Phe	Tyr	Ile	Phe	Val	Asn	Leu	Phe	Leu	Val	Phe	Thr	Thr	Phe	Gly	Thr	580	585	590	
Ala	Ser	Phe	Val	Asp	Thr	Thr	Lys	Ile	Ala	Phe	Asp	Leu	Ala	Arg	Ser	595	600	605	
Leu	Arg	Asp	Leu	Ser	Met	Phe	Tyr	Val	Asp	Leu	Ile	Ile	Leu	Gln	Gly	610	615	620	
Leu	Gly	Ile	Phe	Pro	Phe	Lys	Leu	Leu	Leu	Val	Gly	Asn	Leu	Leu	Arg	625	630	635	640
Phe	Leu	Val	Asn	Ser	Leu	Phe	Arg	Cys	Lys	Thr	Pro	Arg	Asp	Tyr	Leu	645	650	655	
Asn	Leu	Tyr	Lys	Pro	Pro	Val	Phe	Asn	Phe	Gly	Leu	Gln	Leu	Pro	Gln	660	665	670	
Pro	Ile	Leu	Ile	Phe	Ile	Ile	Thr	Leu	Val	Tyr	Ser	Val	Met	Ser	Ser	675	680	685	

418

Lys Ile Leu Thr Ala Gly Leu Leu Tyr Phe Ile Ile Gly Tyr Phe Val  
 690 695 700  
 Ser Lys Tyr Gln Leu Leu Tyr Ala Cys Val His Pro Pro His Ser Thr  
 705 710 715 720  
 Gly Lys Val Trp Pro Ile Ile Phe Arg Arg Ile Ile Leu Gly Leu Phe  
 725 730 735  
 Leu Phe Gln Ile Thr Met Val Gly Thr Leu Ala Leu Gln Asp Ala Ile  
 740 745 750  
 Thr Cys Ala Thr Phe Leu Ala Pro Leu Pro Phe Leu Thr Leu Tyr Phe  
 755 760 765  
 Trp Trp Ser Phe His Lys Gln Tyr Ile Pro Leu Ser Thr Phe Ile Ala  
 770 775 780  
 Leu Arg Ala Ile Glu Ser Asn Glu Asn Ile Asn Pro Thr Asp Leu Glu  
 785 790 795 800  
 Gln Ile Ile Glu Asn Asn Asn Asn Lys Thr Leu Asp Glu Arg Arg Glu  
 805 810 815  
 Leu Asn Thr Lys Tyr Glu Tyr Pro Asn Leu Val Asn Asp Leu Asp Gly  
 820 825 830  
 Pro Met Ile Ala Leu Asp Gly Glu Asp Val Leu Ile Val Asn Arg Asp  
 835 840 845  
 Gly Thr Thr Val Arg Lys Pro Pro Gln Tyr Phe Ser Ser Glu Trp Asp  
 850 855 860  
 Tyr  
 865

&lt;210&gt; 405

&lt;211&gt; 1559

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 405

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 ttttctctat taattcaatt gaaacatttg aaggaaattc tttcttaaaa gcatctagt 180  
 acacatgatc tctaattctcc agtcttttga ttaaattatc ttttagaata tcagggtgaag 240  
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 aaacaaaaca aagtcgtgct agtgtatatt tttcttttgc caattccatc tttttttttt 360  
 tctcttgaga aatgtataac agaggatcca tccatttgct tgacagagaa atacagaaca 420  
 ctaaacaac attttttcat tcctttcttg tttgtttctg ttatacccca aaagtttgaa 480  
 taagtcttca gatattctagc atggcaactt ctcaagaatt gacagcagac atacaagctc 540  
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 ttggagatga cottgatttt gatgaattcc catcttcgac acccggtact agaagcttaa 720

419

```

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ttcctatcaa aataatgatt gagaatttga acacaaacca aaagttgatt gattccttta 900
tgtggaactt gaatgaaagc ttgattacac caactgagtt tgcggaaatt gtttgcagtg 960
atntagattt accattcagt atggctgcac aaatagcaga ctccattaat caacagattg 1020
aagagtattc ctatgcatct aatttacaac taccaaataa gggcccttac aatgttacca 1080
ttgattttatc agtaaactta aataaacaat tataccaaga tagatttgaa tgggatatga 1140
atcaaaatga agttacacca gaaatttttg ctgaaatagt tgttgctgat ttggggttat 1200
cgttagaatt taagaatgcc atatcacatg cattgcacga aataattatc agagtgaaaa 1260
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gggttagaaa cttgagaaga ttaaagagag agaatatgag aagagattac gatgatcata 1500
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```

&lt;210&gt; 406

&lt;211&gt; 352

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 406

```

Met Ala Thr Ser Gln Glu Leu Thr Ala Asp Ile Gln Ala Leu Ala Thr
  1             5             10             15

```

```

Ser Phe Pro Lys Arg Leu Ala Asn Asp Ser Asp Asn Ser Leu Leu Ile
          20             25             30

```

```

Asn Val Ala Pro Thr Gly Arg Gln Ala Lys Arg His Ile Gln Gln Ile
          35             40             45

```

```

Asn Tyr Ser Glu Glu Phe Gly Asp Asp Leu Asp Phe Asp Glu Phe Pro
          50             55             60

```

```

Ser Ser Thr Pro Gly Thr Arg Ser Leu Asn Glu Asn Lys Ala Gln Ile
          65             70             75             80

```

```

Glu Ala Gln Arg Tyr Ser Leu Ala Lys Asn Thr Pro Thr Pro Lys Arg
          85             90             95

```

```

Ile Leu Glu Lys Pro Val Leu Ser Glu Leu Val Glu Lys Pro Val Val
          100            105            110

```

```

Leu Ile Pro Ile Lys Ile Met Ile Glu Asn Leu Asn Thr Asn Gln Lys
          115            120            125

```

```

Leu Ile Asp Ser Phe Met Trp Asn Leu Asn Glu Ser Leu Ile Thr Pro
          130            135            140

```

```

Thr Glu Phe Ala Glu Ile Val Cys Ser Asp Leu Asp Leu Pro Phe Ser
          145            150            155            160

```

```

Met Ala Ala Gln Ile Ala Asp Ser Ile Asn Gln Gln Ile Glu Glu Tyr
          165            170            175

```

```

Ser Tyr Ala Ser Asn Leu Gln Leu Pro Asn Lys Gly Pro Tyr Asn Val
          180            185            190

```

420

Thr Ile Asp Leu Ser Val Asn Leu Asn Lys Gln Leu Tyr Gln Asp Arg  
 195 200 205  
 Phe Glu Trp Asp Met Asn Gln Asn Glu Val Thr Pro Glu Ile Phe Ala  
 210 215 220  
 Glu Ile Val Val Ala Asp Leu Gly Leu Ser Leu Glu Phe Lys Asn Ala  
 225 230 235 240  
 Ile Ser His Ala Leu His Glu Ile Ile Ile Arg Val Lys Lys Glu Val  
 245 250 255  
 Ile Asp Gly Thr Phe Asp Asn Glu Met His Asn Leu His Leu Val Lys  
 260 265 270  
 Gly Ile Met Phe Glu Gln Gly Ile Arg Ile Phe Thr Glu Asn Ser Val  
 275 280 285  
 Gln Asn Gly Asn Asp Arg Trp Glu Pro Leu Val Glu Val Leu Thr Ser  
 290 295 300  
 Ser Glu Ile Glu Arg Arg Glu Asn Glu Arg Val Arg Asn Leu Arg Arg  
 305 310 315 320  
 Leu Lys Arg Glu Asn Met Arg Arg Asp Tyr Asp Asp His Ser Arg Arg  
 325 330 335  
 Arg Gln Ala Gly Lys Arg Arg Tyr Asp Glu Leu Glu Gly Ala Trp Val  
 340 345 350

&lt;210&gt; 407

&lt;211&gt; 737

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 407

```

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ggtattcatg caagaagtgc agcactgaaa ataaccgggt cctctaacgt cagtaacata 240
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aatcaccaa cttgtaa 737

```



421

&lt;210&gt; 408

&lt;211&gt; 78

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 408

Met Ala Arg Glu Ile Lys Asp Ile Lys Glu Phe Val Glu Leu Ala Arg  
 1 5 10 15

Arg Ser Asp Ile Lys Ser Ala Ile Val Lys Val Asn Ala Lys Val Asn  
 20 25 30

Ala Asn Gly Lys Lys Phe Lys Gln Thr Lys Phe Lys Val Arg Gly Ser  
 35 40 45

Arg Tyr Gln Tyr Thr Leu Val Val Asn Asp Ala Ser Lys Ala Lys Lys  
 50 55 60

Leu Gln Gln Ser Leu Pro Pro Thr Leu Lys Ile Thr Asn Leu  
 65 70 75

&lt;210&gt; 409

&lt;211&gt; 1348

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 409

ataccatgac aagcaagctc aggggtcgcg gttcagagtcc cgcgggggagc taattataacc 60  
 ctcatTTTTTg aaccacaccaa attttctttt acattataat gaaataagag tattccctgg 120  
 cttctTTTTTt tttttTTTTt ggcaatatag agaagactgt aataagtata gctcactaaa 180  
 agtctTTTTTt tttctattcg ttttatattt ttttaagaaa tttgatgttg atttggtaaa 240  
 tgccaaattt taaatgtgtg ttagggctat agccctaattg tactgtatat gcagtatcag 300  
 aaatactttt gttacgcaca gtttgtctta ccaaatacat tatatatata tatttttttt 360  
 tttttgagta gaggagctac actagaccac agtgcgaaaa attcatctct ctatacactt 420  
 actcaatttg aagatattca aatttttttc aaaaaaaaaat tccttttgga tcgatactag 480  
 atagcatata atcatcaaaa atggccaaga tcagtcaagg tatgaaatag atattcaatt 540  
 agatatggag aaaggaagat aaaaggaaaa gaaaaaaaaa aaagaaagaa ataaaggaat 600  
 atatacattg aaaaggagat agaacatcaa acaacaacca ttaagaatta agtttaatac 660  
 agtttcaata aagaggggtt ttttctcaga acaaaccatt gactgaagta ctacaccaag 720  
 aaggtataat gatttcacga tttacctgaa tataaagaac atccttaata ttgaatttca 780  
 atattaaaaa tacaatttgg ggatattgat gaaattatgt ataggagatt ccattttttca 840  
 aacttggtga atggaaaact tgaaaaatca aatcaaatac aatcataacc cttcaatata 900  
 ttccttcctt atcttacttt tcctattaaa acaaagacta agaaacattc agtaaaatac 960  
 taacaaaaat tccatttata tagacgtttc ttcattctcgt tctaaagcta gaaaagctta 1020  
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 tagagggttct aaaaaagggt ctgaaggtaa agttaattct gtttatagat tgaaatttgc 1200  
 tattcaagtt gataaattac aaaaagaaaa atcaaattgg gcttctgttc caatcaacat 1260  
 tcatccatct aaagtgtgca ttactaaatt acatttggac aaagatagaa aagctttgat 1320  
 tcaaagaaaa ggtggtaaag ctgaataa 1348

&lt;210&gt; 410

&lt;211&gt; 127

&lt;212&gt; PRT

422

&lt;213&gt; Candida albicans

&lt;400&gt; 410

Met Ala Lys Ile Ser Ile Asp Val Ser Ser Ser Arg Ser Lys Ala Arg  
 1 5 10 15

Lys Ala Tyr Phe Thr Ala Ser Ser Val Glu Arg Arg Val Leu Leu Ser  
 20 25 30

Ala Pro Leu Ser Lys Glu Leu Arg Gln Gln Tyr Asn Val Lys Ser Leu  
 35 40 45

Pro Ile Arg Gln Asn Asp Glu Val Leu Val Val Arg Gly Ser Lys Lys  
 50 55 60

Gly Ser Glu Gly Lys Val Asn Ser Val Tyr Arg Leu Lys Phe Ala Ile  
 65 70 75 80

Gln Val Asp Lys Leu Gln Lys Glu Lys Ser Asn Gly Ala Ser Val Pro  
 85 90 95

Ile Asn Ile His Pro Ser Lys Val Val Ile Thr Lys Leu His Leu Asp  
 100 105 110

Lys Asp Arg Lys Ala Leu Ile Gln Arg Lys Gly Gly Lys Ala Glu  
 115 120 125

&lt;210&gt; 411

&lt;211&gt; 1631

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 411

ttcatctttc gaaatcttcc ctcttggaac cgaccaagag ttggattcgg tgcccttgac 60  
 tagcacaact ttgttcaa atttattgaa taatgcaaca ccacgaaccg gtatgggtcga 120  
 tttatatattt ccgaatttag ataatgcttc ctgtgggtca ccccatattcc aaataagcgg 180  
 gcattttctct aaaatctttg tactgaacgt cttcatcttc atgctttgca aatcgggatt 240  
 caactgacga acaaagtcag cataaaacca ttgtgcttcc tcaatctgaa acattattct 300  
 ttcaatggaa gataaatcct cttcggggaa attcaccaca aatctaacta acaaatcttc 360  
 caacacccga tctagagttt gattagctaa accattgcgt aattggatcg acatatcttg 420  
 ttattttcta tgattaatct ttcttttttc tttctttttc actgaatatt cgtaattaaa 480  
 attgattcaa aattgtattg atgtttgtat actggataaa caacttgtgt gagatcattc 540  
 aatgtatttg ctggcgagaa aggaggcaag gacgaacttt ttttccttca tacttttttt 600  
 tttctctctc tcttttcttt cagtcacatt gtctgagtgt taaaggctgg cttttctgtg 660  
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 ccaatatata cgaggagtgt ttgtgtcaaa aatccaaaga aagaagacag aaacaactag 1020  
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 aaatatttac tcctcctgtt tcgtactttc gacaagacaa atctttgtat ttcccggtt 1140  
 ttatagcgaa aacattggca ggtaatcaga gaagtgtgta cgactcatta gacaatagat 1200  
 taagcatagt caaattgttt tcttctgttg ctggtgagca gtgtaccgt tcgtacttta 1260  
 aggttgaaaa caaagattac tattcccagg attatgatac ctttgtggag gaatatcccc 1320

423

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ataccagat acttgatgtg aatatgccgc aaagttggat caaggggttt gtgacaaact 1380
tgagcacagg aaatttaaga aagactttga agccagctct gagatacgag aattatttca 1440
tcttgccctgg ccacataatg tcagcggaaa ttagagaaca gttgtactgt gataatcaat 1500
gttccgggta tatttatatt gttgattcga tggggaagat aagatgggcg acaagtgggt 1560
atgcaactcc tgaggatttg aaattgatgt ggaaggttgt gaaaggggtg caaagagaaa 1620
tgaccaagta a                                     1631

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&lt;210&gt; 412

&lt;211&gt; 376

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 412

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Met Phe Val Tyr Trp Ile Asn Asn Leu Cys Glu Ile Ile Gln Cys Ile
  1              5              10              15

Cys Trp Arg Arg Arg Arg Gln Gly Arg Thr Phe Phe Pro Ser Tyr Phe
              20              25              30

Phe Phe Ser Leu Ser Leu Phe Phe Gln Ser His Cys Ser Ser Val Lys
              35              40              45

Gly Trp Leu Phe Cys Ala Glu Pro Cys Gly Ser Val Asn Ala Arg His
  50              55              60

Arg Val Ile Phe Gly Glu Thr Lys Arg Ile Leu Lys Asn Arg Gly Leu
  65              70              75              80

Asn Ser Thr Thr Asp Trp Leu Asp Asp Lys Met Gln Ser Val Phe Ile
              85              90              95

Arg Thr Phe Ala Thr Ser Arg Ile Glu Phe Gln Arg Tyr Gln Pro Arg
              100              105              110

Phe Val Asn Thr Ile Lys Glu Thr Val Lys Ser Ala Gln Glu Lys Ser
              115              120              125

Tyr Ser Ile Thr Arg Pro Leu Gly Leu Ser Lys Pro Val Leu Leu Asn
              130              135              140

His Lys Leu Ser Asp Thr Tyr Ser Leu Ser Asn Ile Tyr Glu Glu Leu
              145              150              155              160

Phe Gly Gln Lys Ser Lys Glu Arg Arg Gln Lys Gln Leu Asp Tyr Asp
              165              170              175

Leu Lys His Ser Pro Ile Tyr Glu Val Lys Ser Phe Glu Asn Thr Lys
              180              185              190

Gly Lys Ile Phe Thr Pro Pro Val Ser Tyr Phe Arg Gln Asp Lys Ser
              195              200              205

Leu Tyr Phe Pro Asp Phe Ile Ala Lys Thr Leu Ala Gly Asn Gln Arg
              210              215              220

Ser Leu Tyr Asp Ser Leu Asp Asn Arg Leu Ser Ile Val Lys Leu Phe

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424

225	230	235	240
Ser Ser Val Ala Gly Glu Gln Cys Thr Arg Ser Tyr Phe Lys Val Glu			
	245	250	255
Asn Lys Asp Tyr Tyr Ser Gln Asp Tyr Asp Thr Phe Val Glu Glu Tyr			
	260	265	270
Pro His Thr Gln Ile Leu Asp Val Asn Met Pro Gln Ser Trp Ile Lys			
	275	280	285
Gly Phe Val Thr Asn Leu Ser Thr Gly Asn Leu Arg Lys Thr Leu Lys			
	290	295	300
Pro Ala Ser Arg Tyr Glu Asn Tyr Phe Ile Leu Pro Gly His Ile Met			
305	310	315	320
Ser Ala Glu Ile Arg Glu Gln Leu Tyr Cys Asp Asn Gln Cys Ser Gly			
	325	330	335
Tyr Ile Tyr Ile Val Asp Ser Met Gly Lys Ile Arg Trp Ala Thr Ser			
	340	345	350
Gly Tyr Ala Thr Pro Glu Asp Leu Lys Leu Met Trp Lys Val Val Lys			
	355	360	365
Gly Val Gln Arg Glu Met Thr Lys			
	370	375	

&lt;210&gt; 413

&lt;211&gt; 1271

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 413

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ccagtgcgtt ttgtttgttt ccacatcata cacttcactg aaactaaata agtttggtta 60
catttttgaga cttcaggtac gacccagggt tgcgacaaag tttaggtagt ttgtcgtctg 120
aatgtcgcaa caaaataggg ctgtagccct agtcatgtga tgtgaattaa cataacaaga 180
agaattgctg gtgcgcaaaa agattatgtg tattttatgt gcgttggtat cctgcacact 240
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gttctctcac tgtaagctc taagtgaatt tgtgtgtgct gtaatagtgt gtgtgttcca 360
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gtatctaaaa attttttact aggaattttt ttcttttacg tttttcactt gtttcatata 480
atcaccaact caagtacaac atggctgtcg gtaaaaaaca gagattgtcc aaaggaaaga 540
aaggattaaa aaagaaggtc gttgacccat tcaccagaaa agattgggtt gacatcaaag 600
ctccaaccac ttttgaaaac agaaatgttg gtaaaacttt gatcaacaga tctaccggtt 660
taaagaatgc cgctgatggc ttgaaaggta gagttttcga agtttggttg gccgacttac 720
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gagaagtttc caactgtact ttagctcaat taacttccaa attgattcca gaagtcattg 1080
gccgtgaaat tgaaaaatcc acccaaacca ttttccatt acaaaatgtc cacatcagaa 1140
aagtcaaatt gttgaaacaa ccaaaattcg acttgggttc attattgggt ttgcacgggt 1200

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425

aagggttcaac cgaagaaaaa ggtaagaaag tttcttctgg tttcaaagat gttgttttag 1260  
aatctgttta a 1271

&lt;210&gt; 414

&lt;211&gt; 256

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 414

Met Ala Val Gly Lys Asn Lys Arg Leu Ser Lys Gly Lys Lys Gly Leu  
1 5 10 15

Lys Lys Lys Val Val Asp Pro Phe Thr Arg Lys Asp Trp Phe Asp Ile  
20 25 30

Lys Ala Pro Thr Thr Phe Glu Asn Arg Asn Val Gly Lys Thr Leu Ile  
35 40 45

Asn Arg Ser Thr Gly Leu Lys Asn Ala Ala Asp Gly Leu Lys Gly Arg  
50 55 60

Val Phe Glu Val Cys Leu Ala Asp Leu Gln Gly Ser Glu Asp His Ser  
65 70 75 80

Tyr Arg Lys Ile Lys Leu Arg Val Asp Glu Val Gln Gly Lys Asn Leu  
85 90 95

Leu Thr Asn Phe His Gly Leu Asp Phe Thr Ser Asp Lys Leu Arg Ser  
100 105 110

Leu Val Arg Lys Trp Gln Ser Leu Val Glu Ala Asn Val Thr Val Lys  
115 120 125

Thr Ser Asp Asp Tyr Val Leu Arg Val Phe Ala Ile Ala Phe Thr Lys  
130 135 140

Arg Gln Pro Asn Gln Ile Lys Lys Thr Thr Tyr Ala Gln Ser Ser Lys  
145 150 155 160

Leu Arg Glu Val Arg Lys Lys Met Ile Glu Ile Met Gln Arg Glu Val  
165 170 175

Ser Asn Cys Thr Leu Ala Gln Leu Thr Ser Lys Leu Ile Pro Glu Val  
180 185 190

Ile Gly Arg Glu Ile Glu Lys Ser Thr Gln Thr Ile Phe Pro Leu Gln  
195 200 205

Asn Val His Ile Arg Lys Val Lys Leu Leu Lys Gln Pro Lys Phe Asp  
210 215 220

Leu Gly Ser Leu Leu Ala Leu His Gly Glu Gly Ser Thr Glu Glu Lys  
225 230 235 240

Gly Lys Lys Val Ser Ser Gly Phe Lys Asp Val Val Leu Glu Ser Val  
245 250 255

<210> 415  
 <211> 1517  
 <212> DNA  
 <213> *Candida albicans*

<400> 415  
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 agttgtggat cctatttttaa ataaaaacaat aatagtaata aaaaaaaaaa ccttctttgc 180  
 ttttcgagaa tttgtaacac attgtttctt tcttcccaca gcaaccaaatt tttattttat 240  
 tttttctttt gggacttacc cacagttgct caattatgta taacaagggg agaaactctg 300  
 tgggattccc tccttaaaaa tatagcaatc ctttttcttc acaacgattg ctatatgacc 360  
 cccccctaa gcattcattg cttttatata tatttaataa tgtatttctc ttgttcagga 420  
 taattatcac tatttgtgac gtttaatttt tacatttctt cttcttcttc ttcctatttc 480  
 aacattaaaag aacattttaat atgtatttcc caatcattgt atgggtatat gtatctatca 540  
 cttttgtggt tgccaattat ggttttgatc aatggacaaa tgatgattta aaacaatttt 600  
 taaaagaacg taaagttgca ttcaatgatg ccttggagaa tccaaaatta attagtttgg 660  
 ctaatgaaga agctaagaaa ttagaaaaag gttacaagaa agttactgaa gaattaaata 720  
 acaatttgaa tcctccagat gattcattaa atgattattt gaattttgat tacttatttg 780  
 ggaaaagaaa agaaaattat tcaattaaag aatggatttt tgaaagttgg ccagtaacca 840  
 gtttgcaaac ttttttaact caaaataata tccaatatag tgcaaaggat accaaagatg 900  
 atttaatcaa taaggttaaa gatcaatttg attctatttc taagaaaaat catgggtcta 960  
 gtttttatcc tggcaattgg ttatatgaat cttggtcaga aaatgatttg aaagattggg 1020  
 tgaaatctta tggcattgaa tttaatccta gttcaacaaa ggatcaattg gttgaaaaat 1080  
 taaaagaatt tagttatcaa gccactcatt caattagaga ttccaaagaa tctttatttg 1140  
 attcattgga tttatttgat aaaaccattt ttgataaaaa aggtcaaatt gaagatgaat 1200  
 ttttccaaac ttggtcatat tctcaattac gtgaatggct ttatttacat ggattttattg 1260  
 aactaaacc aggaatttac gttgaagatt tggataagga aaaattagtc aagattgccc 1320  
 aaagttataa gaaatgtttg ttgagtgaac ttcatacttg gttggcaaac actgaaaaga 1380  
 agtctcaacc ttggatcaca aagggagaac aaaagtctca gaaaaagaag ggtagtaatt 1440  
 tgattaatga tacattcttt gttggtatta ataattgggt caaggataaa ttgcgtgaat 1500  
 tgggcaatct tgactaa 1517

<210> 416  
 <211> 338  
 <212> PRT  
 <213> *Candida albicans*

<400> 416  
 Met Tyr Phe Pro Ile Ile Val Trp Leu Tyr Val Ser Ile Thr Phe Val  
     1                    5                    10                    15  
 Val Ala Asn Tyr Gly Phe Asp Gln Trp Thr Asn Asp Asp Leu Lys Gln  
                     20                    25                    30  
 Phe Leu Lys Glu Arg Lys Val Ala Phe Asn Asp Ala Leu Glu Asn Pro  
                     35                    40                    45  
 Lys Leu Ile Ser Leu Ala Asn Glu Glu Ala Lys Lys Leu Glu Lys Gly  
                     50                    55                    60

427

Tyr Lys Lys Val Thr Glu Glu Leu Asn Asn Asn Leu Asn Pro Pro Asp  
 65 70 75 80  
 Asp Ser Leu Asn Asp Tyr Leu Asn Phe Asp Tyr Leu Phe Gly Lys Arg  
 85 90 95  
 Lys Glu Asn Tyr Ser Ile Lys Glu Trp Ile Phe Glu Ser Trp Pro Val  
 100 105 110  
 Thr Ser Leu Gln Thr Phe Leu Thr Gln Asn Asn Ile Gln Tyr Ser Ala  
 115 120 125  
 Lys Asp Thr Lys Asp Asp Leu Ile Asn Lys Val Lys Asp Gln Phe Asp  
 130 135 140  
 Ser Ile Ser Lys Lys Asn His Gly Ser Ser Phe Tyr Pro Gly Asn Trp  
 145 150 155 160  
 Leu Tyr Glu Ser Trp Ser Glu Asn Asp Leu Lys Asp Trp Leu Lys Ser  
 165 170 175  
 Tyr Gly Ile Glu Phe Asn Pro Ser Ser Thr Lys Asp Gln Leu Val Glu  
 180 185 190  
 Lys Leu Lys Glu Phe Ser Tyr Gln Ala Thr His Ser Ile Arg Asp Ser  
 195 200 205  
 Lys Glu Ser Leu Phe Asp Ser Leu Asp Leu Phe Asp Lys Thr Ile Phe  
 210 215 220  
 Asp Lys Lys Gly Gln Ile Glu Asp Glu Phe Phe Gln Thr Trp Ser Tyr  
 225 230 235 240  
 Ser Gln Leu Arg Glu Trp Leu Tyr Leu His Gly Phe Ile Asp Thr Lys  
 245 250 255  
 Pro Gly Ile Tyr Val Glu Asp Leu Asp Lys Glu Lys Leu Val Lys Ile  
 260 265 270  
 Ala Gln Ser Tyr Lys Lys Cys Leu Leu Ser Asp Ile His Thr Trp Leu  
 275 280 285  
 Ala Asn Thr Glu Lys Lys Ser Gln Pro Trp Ile Thr Lys Gly Glu Gln  
 290 295 300  
 Lys Ser Gln Lys Lys Lys Gly Ser Asn Leu Ile Asn Asp Thr Phe Phe  
 305 310 315 320  
 Val Gly Ile Asn Asn Trp Ser Lys Asp Lys Leu Arg Glu Leu Gly Asn  
 325 330 335-  
 Leu Asp

428

<210> 417  
 <211> 2243  
 <212> DNA  
 <213> *Candida albicans*

<400> 417  
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 gcatagatgt tgccgccact tgtacagatg gatagaattg aatgcaaatt ctgcataaag 120  
 attaaagtga aaaacaattt ccgaaaaaag aagaaaatcg aacacattag aaaaagaaac 180  
 gaacaaaaga aaaaaaattt caaattgtag ttgcatgtat ataaaataat ataaaagata 240  
 tatcaccagc acaactgatt actttttatt tatatcacct gtcaacaaca aattttccaa 300  
 taaatacaac tcagaaaaaa cacttactat cttttcttag tttggtttct ataattctat 360  
 taaacattct tgcctttcat ccttgattat catattagat cttatcttta atttgtttga 420  
 aaaaataata ccaataatct tcccattaga acttacaaca caacaacaaa aaaaccctt 480  
 ctaaatcact attctccatt atgaaaattt tcagattatt ttcactacta atcgtacaat 540  
 ttatcataaa taccactgtt gcagtatcac ctgtgtcagc agttttacca aaactgagtt 600  
 tcagtccatt tgattcacca gaattttgtt cacagatcat aactcccact tgtaatacaa 660  
 ctttcacctt cattgatgaa ttgaataaag atattcgtcc ctacttgtcg gaattagtca 720  
 agaccctgta tttccgttat tttaaagtca atttagataa acaatgtcgt ttttggaatg 780  
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 gtcaagtccac caatgaaagt ttgaaacctt caggattagg taagatttca ttacctgaca 900  
 aatcatcaat tgataattcc attgaaaccg aagaagttca aacttgtgaa gatttagatt 960  
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 aatgtatcga aaagaacttg ttttatcgtg ttgttagtgg tatgcatgct tcaattgcag 1200  
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 tgtttatgga aagagtaggt atgcataatg acagattatc taatatttat ttcaattatg 1320  
 ccttagtgtc ccaagctata gttaaattga gtgaaatttt accattgaga gagttcattc 1380  
 aactggggta tgatgacatt actccagctc aaaagcaaca tttattggct aataatgatg 1440  
 tcgaatcagt cgaagtttat gatcgtttgt tgttagatga cattattcct agtttggaag 1500  
 caaatgttgt gtttaatact tccaacttgt ttgataatag caatttgagg gatgaattta 1560  
 gatcaagatt tagaaacatt tctgccatta tggatttgtt tggttgtgat agatgcagaa 1620  
 tgtgggggaa aatccaaacc attgggtatg gtaccgctct caagatttta tttgaagatg 1680  
 acaactatga taatcacaat ttgaaattta gaagaattga aattgttgcc ttgattaata 1740  
 cttttgatcg tttatctaaa tctattgaaa gtattaatat gtttaaagaa atgtatttgc 1800  
 aacaccttaa agatattgct gaaggattaa cccaacctgg tgtttacgac aaaatacaaa 1860  
 acaacaaacc aggtaacgga tttgccttcc catttggtag tccattacct cagaaaaaac 1920  
 ctgaccaaac caacacccc aaaaatcaac aacaaaaaca acctcaagaa actgacaaaa 1980  
 aaagacttac attagaagaa attgccaca caaaacctga agatcgaact tttattgaag 2040  
 acttcagatt atcctttgat gaagtttggc aagcattaag atttgtttta actagttatc 2100  
 aaagattccc agccgtattg agtagattca cattggttca attgaatgaa tgggtggaata 2160  
 aattgcttgg taaaccaaca gtttatgatt accaaagttc ttttgatggt gatgcctac 2220  
 aatacagtca agtccttgga taa 2243

<210> 418  
 <211> 580  
 <212> PRT  
 <213> *Candida albicans*

<400> 418  
 Met Lys Ile Phe Arg Leu Phe Ser Leu Leu Ile Val Gln Phe Ile Ile  
 1 5 10 15  
 Asn Thr Thr Val Ala Val Ser Pro Val Ser Ala Val Leu Pro Lys Ser  
 20 25 30



Ser Phe Ser Pro Phe Asp Ser Pro Glu Phe Cys Ser Gln Ile Ile Thr  
           35                                  40                                  45  
 Pro Thr Cys Asn Thr Thr Phe Thr Tyr Ile Asp Glu Leu Asn Lys Asp  
           50                                  55                                  60  
 Ile Arg Pro Tyr Leu Ser Glu Leu Val Lys Thr Ser Tyr Phe Arg Tyr  
   65                                  70                                  75                                  80  
 Phe Lys Val Asn Leu Asp Lys Gln Cys Arg Phe Trp Asn Ala Gln His  
                                   85                                  90                                  95  
 Phe Cys Ala Ser Glu Asn Cys Ala Val Glu Ile Leu Glu Asp Phe Asn  
                                   100                                  105                                  110  
 Trp Ser Gln Val Thr Asn Glu Ser Leu Lys Pro Ser Gly Leu Gly Lys  
           115                                  120                                  125  
 Ile Ser Leu Pro Asp Lys Ser Ser Ile Asp Asn Ser Ile Glu Thr Glu  
   130                                  135                                  140  
 Glu Val Gln Thr Cys Glu Asp Leu Asp Tyr Ser Glu Ile Asp Asp Asp  
   145                                  150                                  155                                  160  
 His His Cys Val Tyr Val Asn Leu Val Asn Asn Pro Glu Arg Phe Thr  
                                   165                                  170                                  175  
 Gly Tyr Gly Gly Asn Gln Ser Phe Asp Val Trp Lys Ala Ile Tyr Ser  
           180                                  185                                  190  
 Glu Asn Cys Phe Pro Asn Thr Asn Pro Met Ser Val Thr Asn Asp Ala  
           195                                  200                                  205  
 Asp Asn Gly Gly Glu Gln Cys Ile Glu Lys Asn Leu Phe Tyr Arg Val  
   210                                  215                                  220  
 Val Ser Gly Met His Ala Ser Ile Ala Val His Leu Ser Arg Glu Tyr  
   225                                  230                                  235                                  240  
 Leu Asn Ser Glu Thr Gly Glu Phe Tyr Pro Asn Leu Lys Val Phe Met  
           245                                  250                                  255  
 Glu Arg Val Gly Met His Asn Asp Arg Leu Ser Asn Ile Tyr Phe Asn  
           260                                  265                                  270  
 Tyr Ala Leu Val Ser Gln Ala Ile Val Lys Leu Ser Glu Ile Leu Pro  
   275                                  280                                  285  
 Leu Arg Glu Phe Ile Gln Ser Gly Tyr Asp Asp Ile Thr Pro Ala Gln  
   290                                  295                                  300  
 Lys Gln His Leu Leu Ala Asn Asn Asp Val Glu Ser Val Glu Val Tyr  
   305                                  310                                  315                                  320  
 Asp Arg Leu Leu Leu Asp Asp Ile Ile Pro Ser Leu Glu Ala Asn Val  
           325                                  330                                  335

430

Val Phe Asn Thr Ser Asn Leu Phe Asp Asn Ser Asn Leu Arg Asp Glu  
                   340                  345                  350  
 Phe Arg Ser Arg Phe Arg Asn Ile Ser Ala Ile Met Asp Cys Val Gly  
                   355                  360                  365  
 Cys Asp Arg Cys Arg Met Trp Gly Lys Ile Gln Thr Ile Gly Tyr Gly  
                   370                  375                  380  
 Thr Ala Leu Lys Ile Leu Phe Glu Asp Asp Asn Tyr Asp Asn His Asn  
                   385                  390                  395                  400  
 Leu Lys Phe Arg Arg Ile Glu Ile Val Ala Leu Ile Asn Thr Phe Asp  
                   405                  410                  415  
 Arg Leu Ser Lys Ser Ile Glu Ser Ile Asn Met Phe Lys Glu Met Tyr  
                   420                  425                  430  
 Leu Gln His Leu Lys Asp Ile Ala Glu Gly Leu Thr Gln Pro Gly Val  
                   435                  440                  445  
 Tyr Asp Lys Ile Gln Asn Asn Lys Pro Gly Asn Gly Phe Ala Phe Pro  
                   450                  455                  460  
 Phe Val Ser Pro Leu Pro Gln Lys Lys Pro Asp Gln Thr Asn Thr Pro  
                   465                  470                  475                  480  
 Lys Asn Gln Gln Gln Lys Gln Pro Gln Glu Thr Asp Lys Lys Arg Leu  
                   485                  490                  495  
 Thr Leu Glu Glu Ile Ala His Thr Lys Pro Glu Asp Arg Thr Phe Ile  
                   500                  505                  510  
 Glu Asp Phe Arg Leu Ser Phe Asp Glu Val Trp Gln Ala Leu Arg Phe  
                   515                  520                  525  
 Val Leu Thr Ser Tyr Gln Arg Phe Pro Ala Val Leu Ser Arg Phe Thr  
                   530                  535                  540  
 Leu Val Gln Leu Asn Glu Trp Trp Asn Lys Leu Leu Gly Lys Pro Thr  
                   545                  550                  555                  560  
 Val Tyr Asp Tyr Gln Ser Ser Phe Asp Val Asp Ala Leu Gln Tyr Ser  
                   565                  570                  575  
 Gln Val Leu Gly  
                   580

&lt;210&gt; 419

&lt;211&gt; 1004

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 419

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tgtgaaaaaa aattgtggtg tggatgttgt tgctgttgtt gcgttgtcca caacaaaaaa 60
acaagtaaca atttcaaagt tgggcttgga gatcgatttt ttttcccgcg tctgtgtggc 120
acgagacaat tgagtcgacc agtacgtttt aattgaatac gagagtcgac gcaattacat 180
caatccaaca ttccacttat tctatatcaa tgtaaagtca ttttttgata atatcgtaat 240
ttacacattt cgtatatctc ggcaataggg gggataaaaa atagtattga ctaattaata 300
tatcttggtt atcaaatacag gagtatagaa ttccacccaa caactagatt ttccgaatgc 360
gaaacgacga ggacgacaca acaacgacta aagaagaaga agaaaaaaaa tataaataaa 420
ttgatcacgc acacattaga aacacaatat tggatcactt ttttcgataa tactaccacc 480
acacagctca ttcaccactc atgccccgaa gttctactgc tcaaaagcgt ttactaacag 540
agtatcaaca attatcgagg gaccaccac ctgggataat cgcaggacca gtgagtgaag 600
ataatttata caaatgggaa tgtttattag aaggaccatc cgatactcca tatgcaaag 660
gagtatcccc agcagatttg actttcccta aagattaccc attatcacca cctacattaa 720
agtttgatcc accattgtta catccaaata tttatgctga tggaaaccgt tgtatttcga 780
ttttacatcc tcttggtgaa gatccaaatc aatatgaacg accagaggaa agatggtcac 840
ctgtgcaaag tattgaaaag atcttggtga gtgtcatgtc tatgcttgca gaacctaata 900
ctgaaagtgg ggctaataatc gatgcttgta aattatggag agataatcgt gctgaatatg 960
accgacaaat tagacaacat gtcaaggagt cattaggatt atga 1004

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&lt;210&gt; 420

&lt;211&gt; 167

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 420

```

Met Pro Arg Ser Ser Thr Ala Gln Lys Arg Leu Leu Thr Glu Tyr Gln
 1             5             10             15
Gln Leu Ser Arg Asp Pro Pro Pro Gly Ile Ile Ala Gly Pro Val Ser
          20             25             30
Glu Asp Asn Leu Tyr Lys Trp Glu Cys Leu Leu Glu Gly Pro Ser Asp
          35             40             45
Thr Pro Tyr Ala Asn Gly Val Ser Pro Ala Val Leu Thr Phe Pro Lys
          50             55             60
Asp Tyr Pro Leu Ser Pro Pro Thr Leu Lys Phe Asp Pro Pro Leu Leu
          65             70             75             80
His Pro Asn Ile Tyr Ala Asp Gly Thr Val Cys Ile Ser Ile Leu His
          85             90             95
Pro Pro Gly Glu Asp Pro Asn Gln Tyr Glu Arg Pro Glu Glu Arg Trp
          100             105             110
Ser Pro Val Gln Ser Ile Glu Lys Ile Leu Leu Ser Val Met Ser Met
          115             120             125
Leu Ala Glu Pro Asn Pro Glu Ser Gly Ala Asn Ile Asp Ala Cys Lys
          130             135             140
Leu Trp Arg Asp Asn Arg Ala Glu Tyr Asp Arg Gln Ile Arg Gln His
          145             150             155             160
Val Lys Glu Ser Leu Gly Leu
          165

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432

<210> 421  
 <211> 1031  
 <212> DNA  
 <213> Candida albicans

<400> 421  
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 aaacgtcgat tgtctttcct ttatgattgt tctttaacgg aattgtgttc cttaaaacaa 120  
 aatcagttct gcacgtgata taatctccta tcgctagtag taagttttta tttttttgat 180  
 caaaagtaca ctcacagtc tattgtcgtg gatttcgcat acttgtgata atatctgggtg 240  
 tgtacactac ttttttggtt tgtattgtaa attacaattt ttctattggt taaaatgata 300  
 attgttaaca agtctttttt ttccccggga ttgaatccgg aaactaccat taattcactc 360  
 attctactca ctcaccttac accctcactc actcaaacaa ttatatcaac ccaaaaaaaaa 420  
 aaaatcttca ctacaccaat aacaaagaac caatagttca atctaataaa ccatccttcc 480  
 ccctagcctg ccacaacaac atgatttctc gtattggatt attgaaaaga cctaccgtgt 540  
 ccactttaaa caactatgtc aaattacaat cgacattagc ccttaaaaaga tacacatcaa 600  
 ccgtaccagc aacttcaaat caagaacaag aaatattggt tgcccaacgt aaaaatagac 660  
 ctacatcacc tcatttacaa atttatgaac cacaattaac ttggatcatg tcatcattcc 720  
 atagaatcac tgggtgttgc atggccggtg ccttttatgc tttaacttgt ggatttgctg 780  
 ctacttcaat tttaaatatt ccatttgata ctactacttt agtatctgca ttcaccacat 840  
 taccaacatt tgctcaatat ggtatcaaag ctatttgctg ttatccattt gtttatcata 900  
 ttggtaatgg gattagacat ttggtttggg attttggtaa agaattaacc atccctgggtg 960  
 tttatagaac tgggtatgct gttttggctg ctactgctgt cattggaagt tatttagctt 1020  
 tcttatggta a 1031

<210> 422  
 <211> 176  
 <212> PRT  
 <213> Candida albicans

<400> 422  
 Met Ile Ser Arg Ile Gly Leu Leu Lys Arg Pro Thr Val Ser Thr Leu  
 1 5 10 15  
 Asn Asn Tyr Val Lys Leu Gln Ser Thr Leu Ala Leu Lys Arg Tyr Thr  
 20 25 30  
 Ser Thr Val Pro Ala Thr Ser Asn Gln Glu Gln Glu Ile Leu Val Ala  
 35 40 45  
 Gln Arg Lys Asn Arg Pro Thr Ser Pro His Leu Gln Ile Tyr Glu Pro  
 50 55 60  
 Gln Leu Thr Trp Ile Met Ser Ser Phe His Arg Ile Thr Gly Val Ala  
 65 70 75 80  
 Met Ala Gly Ala Phe Tyr Ala Leu Thr Cys Gly Phe Ala Ala Thr Ser  
 85 90 95  
 Ile Leu Asn Ile Pro Phe Asp Thr Thr Thr Leu Val Ser Ala Phe Thr  
 100 105 110  
 Thr Leu Pro Thr Phe Ala Gln Tyr Gly Ile Lys Ala Ile Cys Ala Tyr

433

115		120		125
Pro Phe Val Tyr His Ile Gly Asn Gly Ile Arg His Leu Val Trp Asp				
130		135		140
Phe Gly Lys Glu Leu Thr Ile Pro Gly Val Tyr Arg Thr Gly Tyr Ala				
145		150		155
				160
Val Leu Ala Ala Thr Ala Val Ile Gly Ser Tyr Leu Ala Phe Leu Trp				
	165		170	175

<210> 423  
 <211> 1176  
 <212> DNA  
 <213> Candida albicans

<400> 423  
 aaaagcaaga agagaaggac tcgttggcca atttcttcgg caatttcaag aagaaaagag 60  
 tagctgttta gaactatata tatatgtact cgcgcttta tgtttatagc aataatgaaa 120  
 tgttttaata attatttaat caaacttggg tgtaacttat gattatggta gtgatctaag 180  
 aacacaactt gcaaagcaat ggtagtttct ttgattttgt gtttctatta gattcctgtt 240  
 tctattagat tcccgccttt ttttttttgg cagacattaa acctcagggc tatagcccta 300  
 atggcaaaac atgcacgtgt atgtttcttg atttttctac actactagta aaaaaatttt 360  
 ctttcgcgtc actattcaca catacactct ttttcgcaca attacagtct accaacagga 420  
 aaagaaaaaa aaaaggaatc tggtaattga aaaattgaag tttggttctt ttaatactat 480  
 caatcaacta gagtcacagc atgttaattc caaaagaaga cagaaagaag atccaccaat 540  
 acctcttcca aggtatgtaa atatgaatta taaactggaa cagaatatgg catttcaagg 600  
 gatgcacgat aagtcaagag ttcataaaaa agcacagatt ataacagtcg taaagaaaaa 660  
 tttcactacc aacaacaata agaagatatc aaagagattc agtaatcact acttacaaga 720  
 aacatataac atcatggaga gttaatttg aaatacgaat gaatatataa atgaactata 780  
 ccctttttat ggccatatca cgtttcaaga aatattttaa caaaaataaa atgaagaata 840  
 aaacttggat atactaacac atgtattata gaggggtgctg ttgttgctaa gaaagacttc 900  
 aaccaaccaa agcacgatga aattgatact agaaacttgt tcgtcatcaa agctttacaa 960  
 tctttgactt ctaaagggtta cgtcaagact caattctcat ggcaatacta ctactacacc 1020  
 ttgactgatg aagggtgttg attcttgaga accgaattga acattccaga aggtatcttg 1080  
 ccattgacca gattgaagaa tgctccagct gaaagaccaa gaccatcaag aggcggtcca 1140  
 agaagaggtg gttacagagg tagagctaga gactaa 1176

<210> 424  
 <211> 118  
 <212> PRT  
 <213> Candida albicans

<400> 424  
 Met Leu Ile Pro Lys Glu Asp Arg Lys Lys Ile His Gln Tyr Leu Phe  
 1 5 10 15  
 Gln Glu Gly Val Val Val Ala Lys Lys Asp Phe Asn Gln Pro Lys His  
 20 25 30  
 Asp Glu Ile Asp Thr Arg Asn Leu Phe Val Ile Lys Ala Leu Gln Ser

434

35	40	45
Leu Thr Ser Lys Gly Tyr Val Lys Thr Gln Phe Ser Trp Gln Tyr Tyr		
50	55	60
Tyr Tyr Thr Leu Thr Asp Glu Gly Val Glu Phe Leu Arg Thr Glu Leu		
65	70	75
Asn Ile Pro Glu Gly Ile Leu Pro Leu Thr Arg Leu Lys Asn Ala Pro		
	85	90
Ala Glu Arg Pro Arg Pro Ser Arg Gly Gly Pro Arg Arg Gly Gly Tyr		
100	105	110
Arg Gly Arg Ala Arg Asp		
115		

&lt;210&gt; 425

&lt;211&gt; 2840

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 425

tggtgggagt	attctggcac	aacaaatact	tacttttagg	ttactaacat	tatttttctt	60
cagctaacta	attatctagt	ttatatctat	atccattatt	gttgaaatca	ctatcgtgag	120
gtaaataaca	actacagagt	tgtcacagta	tccaaaaaaa	actttgtacc	tatcaataca	180
ttttaagcaa	taggtcattt	attgctgtaa	tcaagtgtta	ccagtatctc	tagttaatgt	240
tgagtttata	cctaaaacat	gaactatatc	aacttttaaat	gcccctaatac	acgtgatata	300
gcacatggga	atttgctgat	cttgcttcct	tgcacgtaca	cggcacatgt	acacgacttt	360
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ataattgctt	agtttacttg	cttcttacac	cctttgcata	tttttttttt	ttcctttttc	480
tgccaacttg	atcaaattcg	atgctacatc	ctaataattc	agtagtcgat	atgtctagca	540
ctggaaacat	gaatgaaaat	acagatgctc	caccgaaaca	gcagacgaaa	aagaaaatat	600
caaaacagaa	ttcaaccaaa	accgattttt	ttgctgcacg	attggctagt	gcggttgacg	660
atatagaaag	cagtgatagt	gatgaaacgt	ttatatatga	gaataatgat	actgaacttg	720
atgataatgc	tagtaatat	aacaataaca	acaataacag	caccaataac	attatcaatt	780
tagataatgc	tagtggtaac	ggaaagtatga	ttgcttcac	caatgcaatg	gtgactggtc	840
ctcccggaa	atcgatagcg	ttaggatcgg	gccttcgatc	gccatccata	ctagaggggg	900
aacagcttca	atattttcat	gacccagtga	ggcaacaaca	gttcaaactt	ccttctacca	960
aggctccg	aattttccaa	tccatcagca	gttcaaataa	tatagattca	atacttaa	1020
gacctgtaca	tctacgtgag	gcatcaacgt	attcagtgaa	tgataatgac	caccgaaatc	1080
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atgatgatac	attttcatat	aatgaagttg	aggataattt	aattgatgaa	gattccacgg	1260
acgatgggga	tttgacaaaa	aataccatta	ctaataacaa	caatccacca	accacgtcga	1320
gccaacagca	accacaaccg	caaccacagc	cgcaaccaca	gcaaccacaa	ctacatactc	1380
tgtctcctct	aaatcagata	caagcagcga	catcagcaac	accttctgtg	tccactaaaa	1440
acgcgtctaa	aagaaattac	aaaacctcat	ccacttcctc	aaaattaaga	tcaactacat	1500
caaaactttt	cgataaaaaa	gggtcacaa	caagaagata	cagtaccatt	cctgatgata	1560
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cgaacgaatc	aacttcatta	ctaaatcaaa	accaaagaat	ccccattat	agatcactta	1680
atttgaattt	ccctcaggtg	aagcgccaaa	gcaagcggtta	tttgtcaact	ggccaacctt	1740
tagagagttc	tgatcgtggc	tctaacaaag	atgggtactga	taatggaaac	aacagtgatc	1800
acaatattaa	ttctcctttg	actgctaata	ataataataa	taacgtcaat	cacaacgatc	1860
atggtgataa	caaaaagagt	aataccaaca	acaacaacat	tgctaataat	agagcatttc	1920

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catttcctta tcaagatcaa caacatcatt attactacga ctacgatgat tttgaccaag 1980
aatcacaaat caatggaccc aatttttgatt tgccagacct ccctataaac agatcagctt 2040
cacggaattt taacaacaac aataacccca aaagatttgg cgacagtcac ttttttctac 2100
caagaaagac agatcagtat agtcaaagaa caagctttct aaagtcatgc atttatacct 2160
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cagtcgtggg tagaaaaact gggtatattg atcctacctt attcgtaata ccacaaggag 2820
agaataatat ttcaatttag 2840

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&lt;210&gt; 426

&lt;211&gt; 779

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 426

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Met Leu His Pro Asn Asn Ser Val Val Asp Met Ser Ser Thr Gly Asn
  1                      5                      10                      15

Met Asn Glu Asn Thr Asp Ala Pro Pro Lys Gln Gln Thr Lys Lys Lys
                20                      25                      30

Ile Ser Lys Gln Asn Ser Thr Lys Thr Asp Phe Phe Ala Ala Arg Leu
    35                      40                      45

Ala Ser Ala Val Asp Asp Ile Glu Ser Ser Asp Ser Asp Glu Thr Phe
    50                      55                      60

Ile Tyr Glu Asn Asn Asp Thr Glu Leu Asp Asp Asn Ala Ser Asn Ile
    65                      70                      75                      80

Asn Asn Asn Asn Asn Asn Ser Thr Asn Asn Ile Ile Asn Leu Asp Asn
                85                      90                      95

Ala Ser Val Asn Gly Ser Met Ile Ala Ser Ser Asn Ala Met Val Thr
    100                      105                      110

Gly Pro Pro Gly Thr Ser Ile Ala Leu Gly Ser Gly Leu Arg Ser Pro
    115                      120                      125

Ser Ile Leu Glu Gly Glu Gln Leu Gln Tyr Phe His Asp Pro Val Arg
    130                      135                      140

Gln Gln Gln Phe Lys Leu Pro Ser Thr Lys Ala Pro Ser Ile Ser Asn
    145                      150                      155                      160

Ser Ile Ser Ser Ser Asn Asn Ile Asp Ser Ile Leu Lys Arg Pro Val
    165                      170                      175

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His Leu Arg Glu Ala Ser Thr Tyr Ser Val Asn Asp Asn Asp His Arg  
 180 185 190  
 Asn Leu Val Leu Pro Asn Ser Thr Glu Arg Phe Thr Ala Ser Pro Ser  
 195 200 205  
 Asn Asn Ile Gly Asn Glu Asn Ile Pro Gln Tyr Gln Lys Thr Ser Ser  
 210 215 220  
 Val Ala His Ser Ile Asn Glu Gly Tyr Asn Asp Asp Thr Phe Ser Tyr  
 225 230 235 240  
 Asn Glu Val Glu Asp Asn Leu Ile Asp Glu Asp Ser Thr Asp Asp Gly  
 245 250 255  
 Asp Leu Thr Lys Asn Thr Ile Thr Asn Asn Asn Asn Pro Pro Thr Thr  
 260 265 270  
 Ser Ser Gln Gln Gln Pro Gln Pro Gln Pro Gln Pro Gln Pro Gln Gln  
 275 280 285  
 Pro Gln Leu His Thr Ser Ser Pro Leu Asn Gln Ile Gln Ala Ala Thr  
 290 295 300  
 Ser Ala Thr Pro Ser Val Ser Thr Lys Asn Ala Ser Lys Arg Asn Tyr  
 305 310 315 320  
 Lys Thr Ser Ser Thr Ser Ser Lys Leu Arg Ser Thr Thr Ser Lys Leu  
 325 330 335  
 Phe Asp Lys Lys Gly Ser Gln Pro Arg Arg Tyr Ser Thr Ile Pro Asp  
 340 345 350  
 Asp Ile Asp Ile Glu Asp Phe Asp Asp Glu Leu Ile Tyr Tyr Asp Asn  
 355 360 365  
 Thr Ala Arg Phe Pro Ala Asn Glu Ser Thr Ser Leu Leu Asn Gln Asn  
 370 375 380  
 Gln Arg Ile Pro His Tyr Arg Ser Leu Asn Leu Asn Phe Pro Gln Val  
 385 390 395 400  
 Lys Arg Gln Ser Lys Arg Tyr Leu Ser Thr Gly Gln Pro Leu Glu Ser  
 405 410 415  
 Ser Asp Arg Gly Ser Asn Lys Asp Gly Thr Asp Asn Gly Asn Asn Ser  
 420 425 430  
 Asp His Asn Ile Asn Ser Pro Leu Thr Ala Asn Asn Asn Asn Asn Asn  
 435 440 445  
 Val Asn His Asn Asp His Gly Asp Asn Lys Lys Ser Asn Thr Asn Asn  
 450 455 460  
 Asn Asn Ile Ala Asn Asn Arg Ala Phe Pro Phe Pro Tyr Gln Asp Gln  
 465 470 475 480



Gln His His Tyr Tyr Tyr Asp Tyr Asp Asp Phe Asp Gln Glu Ser Gln  
                     485                    490                    495  
 Ile Asn Gly Pro Asn Phe Asp Leu Pro Asp Leu Pro Ile Asn Arg Ser  
                     500                    505                    510  
 Ala Ser Arg Asn Phe Asn Asn Asn Asn Asn Pro Lys Arg Phe Gly Asp  
                     515                    520                    525  
 Ser His Phe Phe Leu Pro Arg Lys Thr Asp Gln Tyr Ser Gln Arg Thr  
                     530                    535                    540  
 Ser Phe Leu Lys Ser Cys Ile Tyr Thr Phe Val Cys Ile Leu Ile Val  
                     545                    550                    555                    560  
 Leu Thr Ile Gly Phe Val Leu Gly Phe Val Leu Ala Thr Thr Lys Asp  
                     565                    570                    575  
 Leu Thr Asp Val Gly Ile Thr Ser Ile Glu Asn Pro Ile Val Ser Lys  
                     580                    585                    590  
 Asp Glu Leu Val Phe Asn Val Val Ile Glu Ala Phe Asn Pro Gly Trp  
                     595                    600                    605  
 Phe Ser Val Asp Ile Asn Glu Val Glu Leu Asp Leu Phe Ala Arg Ser  
                     610                    615                    620  
 Gly Tyr Leu Pro Asp Thr Asp Asn Ser Lys Ile Ser Asn Met Gly Gly  
                     625                    630                    635                    640  
 Ser Gln Lys Val Glu Thr Val Lys Leu Gly Thr Ile Leu Asn Phe Glu  
                     645                    650                    655  
 Ser Val Leu Asn Phe Lys Gly Gly Phe Leu Ser Arg Glu Pro Thr Ile  
                     660                    665                    670  
 Gln Lys Gly Gly Ile Arg Leu Leu Tyr Pro Gly Lys Asn Val Thr Ala  
                     675                    680                    685  
 Glu Ala Lys Leu Val Val Asn Met Ala Asp Ile Lys Ile Ala Ala Ser  
                     690                    695                    700  
 Asn Ser Ile Ala Lys Glu Ser Thr Thr Ser Asn Asp Thr Asn Asp Asn  
                     705                    710                    715                    720  
 Asp Asn Ser Lys Lys Trp Glu Ile Ile Ser Ser Asn Pro Phe Asp Leu  
                     725                    730                    735  
 Ile Ile Thr Gly Val Leu Lys Tyr Asp Leu Pro Phe Ser Arg Thr Ser  
                     740                    745                    750  
 Arg Ser Val Val Val Arg Lys Thr Gly Tyr Ile Asp Pro Thr Leu Phe  
                     755                    760                    765  
 Val Ile Pro Gln Gly Glu Asn Asn Ile Ser Ile  
                     770                    775

438

<210> 427  
 <211> 1352  
 <212> DNA  
 <213> Candida albicans

<400> 427  
 cccacagacc aataacgttt taccaaccaa aacctctgat atcaatgatt cgaaaagatt 60  
 cattcaaccc cggtttagctg tttgagtatt ggatagcaac actttcaatt agtgcaacac 120  
 aatcaaatta ccaatacttg tttacctttc atctgattct aattgggttca tagcaatata 180  
 gtctcttctg ttgtttgata ttaatatataa taaaacttat ttatcacgtt gttagtagt 240  
 ctcgcaaatt tgaaaccatg gatgagtaaa cttgttgtgt tagatgagct caaatatctg 300  
 gtggaacaat tgtgtagtag ctctttgata aatatccaag aacagtcgtg caagtttcaa 360  
 aataccatcg caaaaatcct aacaaaaaaa aaaaattaat aaagaaaaga aataattcta 420  
 taatagctca tcacaacaat tcgtctacac ttcccacctg atttgttggt ttaaataataa 480  
 taagacaaac ctcagaagct atgataagaa aacaggctag agaaagaaga gagtatcttt 540  
 atagaaaggc tttacagctt caggaatctt ccttaacaga aaaaagacaa caattgaaag 600  
 cagctctagc aagtggaaaa tcattatcaa aggagcttgc cgaagatgaa aaattacaac 660  
 gtgattttat ttacgatgaa agtgaacaaa tagaaattga tgacgaatac agtcggttgt 720  
 cggaatatatc tgatccaaaa gttgttatta ccacatcccg tgatccatct gtcaagttgc 780  
 tacaattcct gaaagaaatc aagttaatgt ttccaaatag cttgaagttg aatcgaggaa 840  
 actatataat ctcagatttg gtaagtacct gtaatagagt gcaagtttcc gatatgattt 900  
 tattgcacga gcatcgtggt gtcccatcaa gtttaactgt aagccacttt cctcatggcc 960  
 caactgcgat ttccacgtta cataatgtca aactaagaca cgatttgcca aacttgggaa 1020  
 acgtctcaga gtccatctct cacttaatat ttgagaattt ccaatccgac ttgggtaagc 1080  
 gtgtgggttaa aatattgcaa catttgtttc ctccaggtgt caagaaagat agctccagag 1140  
 taataacatt tgtcaataac gatgactaca tatcggtgag acaccatggt tacgtcaaaa 1200  
 ctaaggattc agtggagttg agtgagattg gccacggtt cgaaatgaga ttgtatgaaa 1260  
 tcagactagg attacctgac aacaaagatg ctgatgtcga gtggcagatg agaagattca 1320  
 taagaacagc taatagaaag aattacttgt aa 1352

<210> 428  
 <211> 283  
 <212> PRT  
 <213> Candida albicans

<400> 428  
 Met Ile Arg Lys Gln Ala Arg Glu Arg Arg Glu Tyr Leu Tyr Arg Lys  
 1 5 10 15  
 Ala Leu Gln Leu Gln Glu Ser Ser Leu Thr Glu Lys Arg Gln Gln Leu  
 20 25 30  
 Lys Ala Ala Leu Ala Ser Gly Lys Ser Leu Ser Lys Glu Leu Ala Glu  
 35 40 45  
 Asp Glu Lys Leu Gln Arg Asp Phe Ile Tyr Asp Glu Ser Glu Gln Ile  
 50 55 60  
 Glu Ile Asp Asp Glu Tyr Ser Arg Leu Ser Gly Ile Ser Asp Pro Lys  
 65 70 75 80  
 Val Val Ile Thr Thr Ser Arg Asp Pro Ser Val Lys Leu Leu Gln Phe  
 85 90 95

439

Ser Lys Glu Ile Lys Leu Met Phe Pro Asn Ser Leu Lys Leu Asn Arg  
 100 105 110  
 Gly Asn Tyr Ile Ile Ser Asp Leu Val Ser Thr Cys Asn Arg Val Gln  
 115 120 125  
 Val Ser Asp Met Ile Leu Leu His Glu His Arg Gly Val Pro Ser Ser  
 130 135 140  
 Leu Thr Val Ser His Phe Pro His Gly Pro Thr Ala Ile Phe Thr Leu  
 145 150 155 160  
 His Asn Val Lys Leu Arg His Asp Leu Pro Asn Leu Gly Asn Val Ser  
 165 170 175  
 Glu Ser Tyr Pro His Leu Ile Phe Glu Asn Phe Gln Ser Asp Leu Gly  
 180 185 190  
 Lys Arg Val Val Lys Ile Leu Gln His Leu Phe Pro Pro Gly Val Lys  
 195 200 205  
 Lys Asp Ser Ser Arg Val Ile Thr Phe Val Asn Asn Asp Asp Tyr Ile  
 210 215 220  
 Ser Val Arg His His Val Tyr Val Lys Thr Lys Asp Ser Val Glu Leu  
 225 230 235 240  
 Ser Glu Ile Gly Pro Arg Phe Glu Met Arg Leu Tyr Glu Ile Arg Leu  
 245 250 255  
 Gly Leu Pro Asp Asn Lys Asp Ala Asp Val Glu Trp Gln Met Arg Arg  
 260 265 270  
 Phe Ile Arg Thr Ala Asn Arg Lys Asn Tyr Leu  
 275 280

&lt;210&gt; 429

&lt;211&gt; 1061

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 429

tccttttgtt tttatttttg ctgtgttact ccagaaatgt gcataataat gataatagta 60  
 atttgtgact aatatgagat gatcgtatgt ggggtgggtgg ggaggaaggg acccggaatt 120  
 ctaggaacag gaaaaataaa aacgaataaa caaaaacccc ccaatcggca tgcacgga 180  
 ttctttcagc ccaattactt tatttttgcc cacttctttt ggattagggc aatagcccta 240  
 aagctcgtgt tttagccctt tatatgcagt ctattttatt tttctctttt ttttttggct 300  
 gttggtaaac tttttttttt ttcgcagggtg ttgaaaaaaa aatcattttt acagtttaca 360  
 tttctctaac ctgcaaaaag ctctcgtttt tttgtagtga gagttactcg ttcaacaatag 420  
 tatactttac agggggagttc ttttcttttg gaatagtcaa ccaacagcaa atagccaagg 480  
 atcaagcttc atcattaatc atgtcctcta agatcctatc agaaaaccca actgaattag 540  
 aattaaaagt tgctcaagct ttcggtgatt tggaatctca agctgattta aaagctgaat 600  
 tgagaccatt acaattcaaa tctatcaaag aaattgatgt taatggagggt aaaaagctt 660  
 tagctgtttt cgttccacca ccaagtttac aagcttacag aaaagttcaa actagattaa 720  
 ctagagaatt agaaaaaaa ttcccagata gacatgttgt ctttttagct gaaagaagaa 780

440

tcttaccaaa accagctaga aaagctagaa aacaacaaaa aagaccaaga tcaagaactt 840  
 tgactgctgt tcatgataaa attttgaag atttagtttt cccaactgaa atcattggta 900  
 aaagagttag atacttggtt ggtggtaaca aaatccaaaa agtcttggtg gattctaaag 960  
 attcaactgc tgttgattac aaattggatt ctttccaaca attgtactca aaattgactg 1020  
 gtaaacaagt tgtttttgaa atcccagggtg aatctcatta g 1061

&lt;210&gt; 430

&lt;211&gt; 186

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 430

Met Ser Ser Lys Ile Leu Ser Glu Asn Pro Thr Glu Leu Glu Leu Lys  
 1 5 10 15  
 Val Ala Gln Ala Phe Val Asp Leu Glu Ser Gln Ala Asp Leu Lys Ala  
 20 25 30  
 Glu Leu Arg Pro Leu Gln Phe Lys Ser Ile Lys Glu Ile Asp Val Asn  
 35 40 45  
 Gly Gly Lys Lys Ala Leu Ala Val Phe Val Pro Pro Pro Ser Leu Gln  
 50 55 60  
 Ala Tyr Arg Lys Val Gln Thr Arg Leu Thr Arg Glu Leu Glu Lys Lys  
 65 70 75 80  
 Phe Pro Asp Arg His Val Val Phe Leu Ala Glu Arg Arg Ile Leu Pro  
 85 90 95  
 Lys Pro Ala Arg Lys Ala Arg Lys Gln Gln Lys Arg Pro Arg Ser Arg  
 100 105 110  
 Thr Leu Thr Ala Val His Asp Lys Ile Leu Glu Asp Leu Val Phe Pro  
 115 120 125  
 Thr Glu Ile Ile Gly Lys Arg Val Arg Tyr Leu Val Gly Gly Asn Lys  
 130 135 140  
 Ile Gln Lys Val Leu Leu Asp Ser Lys Asp Ser Thr Ala Val Asp Tyr  
 145 150 155 160  
 Lys Leu Asp Ser Phe Gln Gln Leu Tyr Ser Lys Leu Thr Gly Lys Gln  
 165 170 175  
 Val Val Phe Glu Ile Pro Gly Glu Ser His  
 180 185

&lt;210&gt; 431

&lt;211&gt; 1256

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 431

441

```

tggttttggtt ttgcaatcaa cataatagaa gaccaaacaa ataatttcta ttttttttga 60
ctctcccgtg gttttacact tctagcctct cttgtaaata tacacctaata tgacagtacc 120
attaggaccc catcttattg ttaaggataa tacttcttct tcttcttctt ctttggttaa 180
tcaaatttgc aataaataaa aaaaaaaaaa aaacaaagcc gcacaagttt tcctaaaatg 240
acttattttg tgtaacgcat tcacgtgatc ataatttttt taaattcaaa aactgaacca 300
aattcctgca tattgagggt gaaaaaaaaa agaaaaagaa aattttttca atcttggttg 360
aggagagaga ggtgaaaaat ttttctctct ctctttcttt ctttcattct catataccat 420
aaacttaaac aacttctttt actttttcct ttcttttctt ttcaaacctc tacaacagat 480
ccaattaatt aacaaaaaaaa atggttaacg ctatcttatc taagaaaaag aaattagtag 540
ctgacgggtg cttctacgct gaattgaacg aattcttcac cagagaatta gctgaacaag 600
ggtatgctgg tgttgaagtt agaaaaactc catctaaatt ggaagttatt gttaaagctt 660
ctaacactca aggtgtttta ggtgaacaag gtagaagaat ccatgaatta acttcattga 720
ttgttaaaag attcaaatta tctccagaag gtattgccat ttatgctgaa agagttgaa 780
aaagagggtt atctgctgct gttcaagctg aagctttgaa agccaaatta ttgtctggtt 840
taccaattag aagagctgct tatggtgttt taagatttgc tatgggtgcc ggtgctaaag 900
gtgttgaagt tggtatctct ggtaaattaa gagctgctag agctaaatct caaaaatatg 960
ctgatgggtt tatgattcat tctggtcaac caactagaga ttctattgat attgccatta 1020
gacatgtttt aatgagacaa ggtgttttgg gtatcaaagt taaaattatg aaagatccag 1080
ctgctaatag atttgggtcca agagctttac cagatgctgt taaaattgct gaagctaaag 1140
atgaagatga agttattcca gctccaactg ttaaattctta taaacaaact gctgaagatg 1200
aaactgaaac tgatgctcca gttgaagctg aagctgaagt tgaagctact gcttaa 1256

```

&lt;210&gt; 432

&lt;211&gt; 251

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 432

```

Met Val Asn Ala Ile Leu Ser Lys Lys Lys Lys Leu Val Ala Asp Gly
  1              5              10              15

```

```

Val Phe Tyr Ala Glu Leu Asn Glu Phe Phe Thr Arg Glu Leu Ala Glu
      20              25              30

```

```

Gln Gly Tyr Ala Gly Val Glu Val Arg Lys Thr Pro Ser Lys Leu Glu
      35              40              45

```

```

Val Ile Val Lys Ala Ser Asn Thr Gln Gly Val Leu Gly Glu Gln Gly
      50              55              60

```

```

Arg Arg Ile His Glu Leu Thr Ser Leu Ile Val Lys Arg Phe Lys Leu
      65              70              75              80

```

```

Ser Pro Glu Gly Ile Ala Ile Tyr Ala Glu Arg Val Glu Glu Arg Gly
      85              90              95

```

```

Leu Ser Ala Ala Val Gln Ala Glu Ala Leu Lys Ala Lys Leu Leu Ser
      100             105             110

```

```

Gly Leu Pro Ile Arg Arg Ala Ala Tyr Gly Val Leu Arg Phe Ala Met
      115             120             125

```

```

Gly Ala Gly Ala Lys Gly Val Glu Val Val Ile Ser Gly Lys Leu Arg
      130             135             140

```

```

Ala Ala Arg Ala Lys Ser Gln Lys Tyr Ala Asp Gly Phe Met Ile His

```

442

145	150	155	160
Ser Gly Gln Pro Thr Arg Asp Phe Ile Asp Ile Ala Ile Arg His Val			
	165	170	175
Leu Met Arg Gln Gly Val Leu Gly Ile Lys Val Lys Ile Met Lys Asp			
	180	185	190
Pro Ala Ala Asn Arg Phe Gly Pro Arg Ala Leu Pro Asp Ala Val Lys			
	195	200	205
Ile Ala Glu Ala Lys Asp Glu Asp Glu Val Ile Pro Ala Pro Thr Val			
	210	215	220
Lys Ser Tyr Lys Gln Thr Ala Glu Asp Glu Thr Glu Thr Asp Ala Pro			
	225	230	235
Val Glu Ala Glu Ala Glu Val Glu Ala Thr Ala			
	245	250	

&lt;210&gt; 433

&lt;211&gt; 2105

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 433

```

aaactttctg attgaataaaa gtgaactcaa atcacattct tcggcatata tcaaaccatt 60
attagtttta tcacgtaaat cttcaatata ctacagccacc cattgatcat tggttcttct 120
agtaagtaat attagttgtg ctctcgttg tcccaattca tatgctatth gagctccaat 180
accactgggc ccaccagtaa tcataaacac tttcccatgc atgtctcgct cccacgtatt 240
gggtggcacca tggaaataat acttggtcc agcaagagtt aatagaatgg gaagaacggg 300
aggtccatat tctttaattt ggtcccaata tgggaatcacc tctggcccat caaacacaac 360
actagttaaa aaattcactg gcataattgg tatatcaaga gtgaagaaaa atgctgtatt 420
ggagggttga atttggtcac aaattggttg cttttttatt cttcttgctc tttttttttt 480
cagtgtctaac ataatttggg atgtatgtat tgaaaaaaaa aaattttgta caatttcttg 540
ttcttggtct cccactcatc tcatcgctct cttataaatt cacaacatg gatgaagtag 600
tattttacat agctcaaggt gatccagctg ataaacacag tcaagaatca tatggatag 660
ttacatcaat ccattcttcc aaacaatatg catcttatcg acaagcagac tcgcatataa 720
acggtactgc cataactggg attggccag gagaaagaat tttcactgct gttcctaaca 780
aggcattaat caatgtatat tcatggggaa aagaaagtgt tgatcaacgt ataccgatac 840
cagaagcatt gacttgatc acgttgataa accatccaaa tggcagtaac aacaacagcg 900
acaatgatga caaccagtta tacaattac caaattaccg agttccttgg ttgttagcag 960
gtggatcaaa gagtgggaaa ttgtacattt ggggaattaag ttcaggcaat ttattatgtg 1020
tcagagacgc ccattatcag gggatcacta ccatcaaggg ttcaagctgt ggaacatttt 1080
taattactgg aggagaggat gccagatgtc ttgtatggaa tttagcagaa ttaattagta 1140
tttatgacaa atcagaccat caagtgaac catattggca aatcactgat aacacattac 1200
cactcactga tctttgttta aatgatactc ataacattaa tgatctaaaa ttatatacaa 1260
cttcagaaga cagcacgggc aggatttatg atatagtcac aaagagtttg ttaaccacat 1320
ttattttacc cagttccgct gaatgtatca ccaaggatcc agctaataga gcgttatatg 1380
tcgggttgaa taacggctct gtaagatcaa ttctttata ttctataaat agccatacat 1440
cagtgttggg aagtattggc ggcataaata agataatcac ggttgatgct gatcaaaatt 1500
taaaagagac atttggtgca catcaacaaa agacgaaaac aggagacgat aagcctgttg 1560
ttgttacgaa attgacaatt tcttttgatg gtacaagtat aatatctggg gattctgaag 1620
gcagagtgtt tgtgtctgac attgtaacga aacaagttgt gaaatcattc acaccttgta 1680
actctccaat agcttatatt gctgttgaaa ctatccctga tgactttgtc aataacttag 1740

```

```

ctactagtagc taccactaat aaagctgaca agaaacatag aatgatacct caatttaaac 1800
gagtactagc aagcaccaat tctgaagaac atcagatatt cttggacatt cctggtaaaa 1860
ccaccgcaac caccaacgca accggcaata ttgactttgc aacttggtta caaggcaaac 1920
aatctgaaga attaccaattc aaaaaccttt ctggaataaa ctctattgtc aaacaagttg 1980
gcaacgagaa tgtatcggat ctggaagaga gattacaaag agtttctcaa gcatacactg 2040
aattaagaaa caaacatgaa gaattaatta aagaacatgc caaattatta gataaattag 2100
aatag 2105

```

&lt;210&gt; 434

&lt;211&gt; 534

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 434

```

Met Tyr Val Leu Lys Lys Lys Asn Phe Val Gln Phe Leu Val Leu Val
  1              5              10              15

Leu Pro Leu Ile Ser Ser Leu Ser Tyr Lys Phe Thr Asn Met Asp Glu
      20              25              30

Val Val Phe Tyr Ile Ala Gln Gly Asp Pro Ala Asp Lys His Ser Gln
      35              40              45

Glu Ser Tyr Gly Tyr Val Thr Ser Ile His Ser Ser Lys Gln Tyr Ala
      50              55              60

Ser Tyr Arg Gln Ala Asp Ser His Ile Asn Gly Thr Ala Ile Thr Gly
      65              70              75              80

Ile Gly Pro Gly Glu Arg Ile Phe Thr Ala Val Pro Asn Lys Ala Leu
      85              90              95

Ile Asn Val Tyr Ser Trp Gly Lys Glu Ser Val Asp Gln Arg Ile Pro
      100             105             110

Ile Pro Glu Ala Leu Thr Cys Ile Thr Leu Ile Asn His Pro Asn Gly
      115             120             125

Ser Asn Asn Asn Ser Asp Asn Asp Asp Asn Gln Leu Tyr Lys Leu Pro
      130             135             140

Asn Tyr Arg Val Pro Trp Leu Leu Ala Gly Gly Ser Lys Ser Gly Lys
      145             150             155             160

Leu Tyr Ile Trp Glu Leu Ser Ser Gly Asn Leu Leu Cys Val Arg Asp
      165             170             175

Ala His Tyr Gln Gly Ile Thr Thr Ile Lys Gly Ser Ser Cys Gly Thr
      180             185             190

Phe Leu Ile Thr Gly Gly Glu Asp Ala Arg Cys Leu Val Trp Asn Leu
      195             200             205

Ala Glu Leu Ile Ser Ile Tyr Asp Lys Ser Asp His Gln Val Lys Pro
      210             215             220

```

444

Tyr	Trp	Gln	Ile	Thr	Asp	Asn	Thr	Leu	Pro	Leu	Thr	Asp	Leu	Cys	Leu	225	230	235	240
Asn	Asp	Thr	His	Asn	Ile	Asn	Asp	Leu	Lys	Leu	Tyr	Thr	Thr	Ser	Glu	245	250	255	
Asp	Ser	Thr	Val	Arg	Ile	Tyr	Asp	Ile	Val	Thr	Lys	Ser	Leu	Leu	Thr	260	265	270	
Thr	Phe	Ile	Leu	Pro	Ser	Ser	Ala	Glu	Cys	Ile	Thr	Lys	Asp	Pro	Ala	275	280	285	
Asn	Arg	Ala	Leu	Tyr	Val	Gly	Leu	Asn	Asn	Gly	Leu	Val	Arg	Ser	Ile	290	295	300	
Pro	Leu	Tyr	Ser	Ile	Asn	Ser	His	Thr	Ser	Val	Leu	Glu	Ser	Ile	Gly	305	310	315	320
Gly	Met	Asn	Lys	Ile	Ile	Thr	Val	Asp	Ala	Asp	Gln	Asn	Leu	Lys	Glu	325	330	335	
Thr	Phe	Val	Ala	His	Gln	Gln	Lys	Thr	Lys	Thr	Gly	Asp	Asp	Lys	Pro	340	345	350	
Val	Val	Val	Thr	Lys	Leu	Thr	Ile	Ser	Phe	Asp	Gly	Thr	Ser	Ile	Ile	355	360	365	
Ser	Gly	Asp	Ser	Glu	Gly	Arg	Val	Phe	Val	Ser	Asp	Ile	Val	Thr	Lys	370	375	380	
Gln	Val	Val	Lys	Ser	Phe	Thr	Pro	Cys	Asn	Ser	Pro	Ile	Ala	Tyr	Ile	385	390	395	400
Ala	Val	Glu	Thr	Ile	Pro	Asp	Asp	Phe	Val	Asn	Asn	Leu	Ala	Thr	Ser	405	410	415	
Thr	Thr	Thr	Asn	Lys	Ala	Asp	Lys	Lys	His	Arg	Met	Ile	Pro	Gln	Phe	420	425	430	
Lys	Arg	Val	Leu	Ala	Ser	Thr	Asn	Ser	Glu	Glu	His	Gln	Ile	Phe	Leu	435	440	445	
Asp	Ile	Pro	Gly	Lys	Thr	Thr	Ala	Thr	Thr	Asn	Ala	Thr	Gly	Asn	Ile	450	455	460	
Asp	Phe	Ala	Thr	Trp	Leu	Gln	Gly	Lys	Gln	Ser	Glu	Glu	Leu	Gln	Phe	465	470	475	480
Lys	Asn	Leu	Ser	Gly	Ile	Asn	Ser	Ile	Val	Lys	Gln	Val	Gly	Asn	Glu	485	490	495	
Asn	Val	Ser	Asp	Leu	Glu	Glu	Arg	Leu	Gln	Arg	Val	Ser	Gln	Ala	Tyr	500	505	510	
Thr	Glu	Leu	Arg	Asn	Lys	His	Glu	Glu	Leu	Ile	Lys	Glu	His	Ala	Lys	515	520	525	



Leu Leu Asp Lys Leu Glu  
530

<210> 435  
<211> 896  
<212> DNA  
<213> Candida albicans

<400> 435  
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acgaaacggc aagaaaaaac agaaacaata ccaccagcac ggacaaaaag attataagct 120  
ttgtgtaata aggttatgtc atcgggtatt acagattgca gggccatctt gtcttcatca 180  
gttatagcat ttcaataaaa ataagccaca tatgtgtaca gcgctgagtc tactcaacat 240  
gtgtaaataag aataaatcaa ttgacacagt cttttgagat ctgttattct ggcctatagc 300  
gttttaggaa attgcggtat tttcttgtct gtttttcttt tatctatttt cgcacgactt 360  
gggggtgggtt gtgtgacttt tttagcaaat taattttgtc ggtcttcgca gtaaaaaataa 420  
aaaattcaaa aaaaaaaaca aattgacttt ttttttact ttctttcttt tctatcaaca 480  
atactaatac caagccaacc atgaaattca ctactgttgc cactgttttt gctatttctt 540  
cattagctgc cgctaaaggc ggtgaaaaag atcacggtaa agcttctact gtcaccaaata 600  
atgtcactga aactaccac agatacgggc gttttgacaa aaccagtaga tctaaaaagc 660  
caaaggaaac tgggtactac agatacggta aattcaacaa gactccacgt ccagttacca 720  
caactgtctt ggtcaaagaa agcgaccttc caaagaaaag agatgctgtt gttgctagag 780  
attctaaaaa cgcttcttcc aactctacca cctctagtgg taacaatggc gtcgccactg 840  
gtgtcagctt ggggtcttgc ggtgtcttag ctggttgggc tgctttgggc atctaa 896

<210> 436  
<211> 131  
<212> PRT  
<213> Candida albicans

<400> 436  
Met Lys Phe Thr Thr Val Ala Thr Val Phe Ala Ile Ser Ser Leu Ala  
1 5 10 15  
Ala Ala Lys Gly Gly Glu Lys Asp His Gly Lys Ala Ser Thr Val Thr  
20 25 30  
Lys Tyr Val Thr Glu Thr Thr His Arg Tyr Gly Arg Phe Asp Lys Thr  
35 40 45  
Ser Arg Ser Lys Lys Pro Lys Glu Thr Gly Thr His Arg Tyr Gly Lys  
50 55 60  
Phe Asn Lys Thr Pro Arg Pro Val Thr Thr Thr Val Leu Val Lys Glu  
65 70 75 80  
Ser Asp Leu Pro Lys Lys Arg Asp Ala Val Val Ala Arg Asp Ser Lys  
85 90 95  
Asn Ala Ser Ser Asn Ser Thr Thr Ser Ser Gly Asn Asn Gly Val Ala  
100 105 110  
Thr Gly Val Ser Leu Gly Leu Ala Gly Val Leu Ala Val Gly Ala Ala  
115 120 125

Leu Val Ile  
130

<210> 437  
<211> 1076  
<212> DNA  
<213> *Candida albicans*

<400> 437  
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 taacaaatta attatagggg gttggaaaat taaaagcttg aaaagaaaga aagaaagaaa 180  
 taccaacgtg gaatttctat tacgtaagtc actataactt gcatagaaat ttcagggttt 240  
 caatttaaga aagtattaat caactgaatt aagcaattga aacgaattga accagctcag 300  
 catttatttt tcgttttctt tttttttcaa ggggggtgggt gaaagaaaaa tctaaaaata 360  
 tataaatact ccacttatct cctctcttcc tctctttctc tctctaactc aatttcaatt 420  
 tttcccaaac caaaatttcc tttctttctt tctttcttta ttttttactc aattgaaatca 480  
 atattaaaaa aataaaagcc atgtcagcta acgattttta ttcatctggt gatcaatcca 540  
 attatgatcc aaaaagatcc tcgaatcaag gatcatcatc atcaaagtat gaacaacaag 600  
 acagaggggt attatctact gtcgccggtg gtggttctgg tggttatggt ggtcacaaat 660  
 taggtgaaaa ggcacaacat ggtacttttg gtactgtatt aggtgccatt gggggtgcca 720  
 ttggtgccaa taaactagaa gatgcttatg aagaccgtaa agaacataaa aaacacgagc 780  
 aacaatatgg tggtagtggt aaacacgaag gcggaagaca tgaagggtgg tttggtgggt 840  
 gtagaccaga tgatcggtat gaaggcgata gaagaaatga taattacggt ggtgggttaca 900  
 atgatagaag agatgacggt tatggtgggt gttacggtgg tggcagacca gacgatagaa 960  
 gacacgaagg tggtttcggc ggtggcagac cagatgaccg ttttggtggc ggtagaccag 1020  
 atgaccgttt tggaggtgac agaagagatg atagaagaga tgaccgtaga tggtaa 1076

<210> 438  
<211> 191  
<212> PRT  
<213> *Candida albicans*

<400> 438  
 Met Ser Ala Asn Asp Phe Tyr Ser Ser Gly Asp Gln Ser Asn Tyr Asp  
 1 5 10 15  
 Pro Lys Arg Ser Ser Asn Gln Gly Ser Ser Ser Ser Asn Asp Glu Gln  
 20 25 30  
 Gln Asp Arg Gly Leu Leu Ser Thr Val Ala Gly Gly Val Ala Gly Gly  
 35 40 45  
 Tyr Gly Gly His Lys Leu Gly Glu Lys Ala Gln His Gly Thr Leu Gly  
 50 55 60  
 Thr Val Leu Gly Ala Ile Gly Gly Ala Ile Gly Ala Asn Lys Leu Glu  
 65 70 75 80  
 Asp Ala Tyr Glu Asp Arg Lys Glu His Lys Lys His Glu Gln Gln Tyr  
 85 90 95  
 Gly Gly Ser Gly Lys His Glu Gly Gly Arg His Glu Gly Gly Phe Gly

447

100	105	110
Gly Gly Arg Pro Asp Asp Arg Tyr Glu Gly Asp Arg Arg Asn Asp Asn		
115	120	125
Tyr Gly Gly Gly Tyr Asn Asp Arg Arg Asp Asp Gly Tyr Gly Gly Gly		
130	135	140
Tyr Gly Gly Gly Arg Pro Asp Asp Arg Arg His Glu Gly Gly Phe Gly		
145	150	155
Gly Gly Arg Pro Asp Asp Arg Phe Gly Gly Gly Arg Pro Asp Asp Arg		
165	170	175
Phe Gly Gly Asp Arg Arg Asp Asp Arg Arg Asp Asp Arg Arg Trp		
180	185	190

&lt;210&gt; 439

&lt;211&gt; 1745

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 439

ttggtattga	agacaccgaa	gacttggtga	aagatattga	acaagcttta	caaaaggctg	60
cttctgtttg	aggggatgtt	cattagcaat	gtatataatt	attgtatat	atgacaaaga	120
aagaaaaaag	aaaaccagaa	aagtggttta	tacaggaata	ttttaataga	aatatcgctt	180
atattgtgat	aaaaaatttg	aaagacaatc	cgaatgtagt	gcttgtctta	ttctgcttgg	240
gaatactgta	gtattagcat	caattgagga	aattccagat	agctaacggg	tttgcgatta	300
cgaatttcgc	aaccaaataa	atatgtgaca	aggaatacac	tactgatcaa	ggttattctt	360
agtacaatgg	aaaaaaaaaa	aaagaagcaa	acaaaaaaac	gagaaattaa	tgaacacgac	420
ttcacttcta	caacctactg	ggaaaaaaaa	ggcagagagt	tattgaaaaa	ggatcatatc	480
aagttcttat	tgtatattat	atgaagtttt	ctggttttagt	attacttgcc	agttacttag	540
ttggtgtgaa	ttctctgatt	gttgatactt	cagaggaatt	aatttgtcca	gatccagaaa	600
accctttaga	ttgttatcca	aaattgtttg	ttccaacaaa	cgagtggcaa	accattaaac	660
cagggtcaaga	tataccacct	gggttacacg	ttagattaaa	tatagatacg	ttggaaaaag	720
aggccaagct	aatgagtgtc	gacgaaaaag	acgagccagt	tcaagaagta	gttggttggtg	780
gcgaattgca	ggatcattcg	agggaagcca	tactgagaa	tctacaaaag	ttgcatgagc	840
tgaaacatcc	tgaagtaaaa	caggagcacg	ctcatcgtag	aaagggttagc	caggagagatt	900
tgagtaattt	tgacgcagct	tgtctggaaa	ttgagagttt	caagccacat	gagagtgatg	960
tggaaagggt	gcatttggca	ctagatactt	tagaggaatt	aagtcatgat	atcgaatttg	1020
gggtgaaatt	gacctcagac	aaagccatat	ttcagagttt	tgtcaacatt	gccaatgggtg	1080
cttctgatcc	aaaaataacc	gaaaagggtat	atcgtgtaat	ggggtctagt	ttgagaaata	1140
atcctgaagc	gattagtaat	atcttgacca	acttcgacaa	gagctatgtg	gataatttgt	1200
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acatttttaga	ggatttacaa	ttgttcccgag	taacaaacga	tagaagatca	cttgaagatc	1440
aagatcctga	atcacagggt	tcaaaaattta	ttcagaattc	ctttgttgga	aataaaacttg	1500
acgagaagaa	tttcaagtct	tattttgatc	aactagtaaa	tttgcacag	ctgaataaga	1560
gtttgcgacc	aagtgggtgac	tttctcaatt	ggttagctga	agaagtggag	tcgcgtaaag	1620
agaataaaaa	aagagacgat	tattcacaag	aagacaaaga	ctttgatgag	tacatgttgc	1680
gagcacgtca	tgaagtattt	ggcaatccaa	tgggattaag	aaaggcaatt	gccgacgagt	1740
tgtag						1745

448

&lt;210&gt; 440

&lt;211&gt; 414

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 440

Met Lys Phe Ser Val Leu Val Leu Leu Ala Ser Tyr Leu Val Gly Val  
 1 5 10 15  
 Asn Ser Ser Ile Val Asp Thr Ser Glu Glu Leu Ile Cys Pro Asp Pro  
 20 25 30  
 Glu Asn Pro Leu Asp Cys Tyr Pro Lys Leu Phe Val Pro Thr Asn Glu  
 35 40 45  
 Trp Gln Thr Ile Lys Pro Gly Gln Asp Ile Pro Pro Gly Leu His Val  
 50 55 60  
 Arg Leu Asn Ile Asp Thr Leu Glu Lys Glu Ala Lys Leu Met Ser Ala  
 65 70 75 80  
 Asp Glu Lys Asp Glu Pro Val Gln Glu Val Val Val Gly Gly Glu Leu  
 85 90 95  
 Gln Asp His Ser Arg Glu Ala Ile Thr Glu Asn Leu Gln Lys Leu His  
 100 105 110  
 Glu Ser Lys His Pro Glu Val Lys Gln Glu His Ala His Arg Thr Lys  
 115 120 125  
 Val Ser Gln Gly Asp Leu Ser Asn Phe Asp Ala Ala Cys Ser Glu Ile  
 130 135 140  
 Glu Ser Phe Lys Pro His Glu Ser Asp Val Glu Arg Leu His Leu Ala  
 145 150 155 160  
 Leu Asp Thr Leu Glu Glu Leu Ser His Asp Ile Glu Phe Gly Val Lys  
 165 170 175  
 Leu Thr Ser Asp Lys Ala Ile Phe Gln Ser Phe Val Asn Ile Ala Asn  
 180 185 190  
 Gly Ala Ser Asp Pro Lys Ile Thr Glu Lys Val Tyr Arg Val Met Gly  
 195 200 205  
 Ser Ser Leu Arg Asn Asn Pro Glu Ala Ile Ser Asn Ile Leu Thr Asn  
 210 215 220  
 Phe Asp Lys Ser Tyr Val Asp Asn Leu Phe Glu Gln Leu Ala Asn Glu  
 225 230 235 240  
 Asn Asp Val Leu Gln Lys Arg Ile Leu Gly Ile Ile Gln Ala Leu Val  
 245 250 255  
 Gln Asn Ser His Phe Ala Arg Gln Tyr Phe Ser Phe Asp His Ser Ser  
 260 265 270

449

Gly Leu Asn Asp Leu Ile Ala Ile Phe Pro Lys Leu Gly Pro Asn Ser  
 275 280 285  
 Lys Ser Arg Ala Ser Asn Ile Leu Glu Asp Leu Gln Leu Phe Pro Val  
 290 295 300  
 Thr Asn Asp Arg Arg Ser Leu Glu Asp Gln Asp Pro Glu Ser Gln Val  
 305 310 315 320  
 Ser Lys Phe Ile Gln Asn Ser Phe Val Gly Asn Lys Leu Asp Glu Lys  
 325 330 335  
 Asn Phe Lys Ser Tyr Phe Asp Gln Leu Val Asn Leu His Gln Ser Asn  
 340 345 350  
 Lys Ser Leu Arg Pro Ser Gly Asp Phe Leu Asn Trp Leu Ala Glu Glu  
 355 360 365  
 Val Glu Ser Arg Lys Glu Asn Lys Lys Arg Asp Asp Tyr Ser Gln Glu  
 370 375 380  
 Asp Lys Asp Phe Asp Glu Tyr Met Leu Arg Ala Arg His Glu Val Phe  
 385 390 395 400  
 Gly Asn Pro Met Gly Leu Arg Lys Ala Ile Ala Asp Glu Leu  
 405 410

<210> 441  
 <211> 1244  
 <212> DNA  
 <213> Candida albicans

<400> 441  
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 atatatattca ataacaggag cagtaattag cttcaacatc aagggtactct tttatttttc 180  
 taccaaaaaac acatctgaag tagctcttat ccatagatcc aaatatattta accttttttt 240  
 tttcctactc tcatctactt ttttttgcaa cacttactgc tcacaacgcc aatgaccata 300  
 ccattaattt caataatcaa atcaagagct tatttgtatc ctctcaagggt atgttaatgt 360  
 attaacaaca ccgattctat ttcaccaact aacacgacag aaaggggttg tactattttg 420  
 taacacatcc caccgttttg ccctttttaca taaccatatt gatacctcaa ttgggtcctta 480  
 cactagtcac ttacctgatt atgttttcat tgttcttccc acctcaagct attgtatata 540  
 cattgttaat gggaccatta ggggtgattg gtgcgtggta tagtttgatc ctgcaagcga 600  
 gcacattgtc tatatttggt gtcacaatat ccttaatgcc tcacatacaa cgagtggcat 660  
 atgatgcaat attgagtaga gagtgtgcaa atgatgtggt actaatggga aaacttagga 720  
 ggtatagaaa actaccatt agagtaaggc ccagagaata ccttaaggcc attccagatt 780  
 tttcgatctt tcccttctct ttgctcaagc tacttgtgtt tttcggtatt tacttcatac 840  
 cctttgtagg tccaatcatt gtattgtttt tccaatcttc caagcgtgga cttaaaggcac 900  
 atgcaagata ctttaagttg aaaggggttc tgcgtagtga cataagaaca atccacaagc 960  
 taaacagacc agcatatatg gggtagcgag tgggtgcgct ttgggtcgag ctgtttccat 1020  
 ttatcaatat gttttttatg ttcaccaata ctttgggagc tgctttgtgg gcagttgata 1080  
 ttgaacaaca agagaaggcc gtcacagaga atgtggccgc agctactacc accgccacag 1140  
 atacgaatag cgtcaatcaa caaggtctag ttatacccg acacaatgaa ccagcaacta 1200  
 atatacctga gggtacccca aaaactgcta caaataccat ctaa 1244

```
<210> 442
<211> 247
<212> PRT
<213> Candida albicans
```

<400> 442

Met Phe Ser Leu Phe Phe Pro Pro Gln Ala Ile Val Tyr Thr Leu Leu  
1 5 10 15

Met Gly Pro Leu Gly Val Ile Gly Ala Trp Tyr Ser Leu Ile Ser Gln  
20 25 30

Ala Ser Thr Leu Ser Ile Phe Val Val Thr Ile Ser Leu Met Pro His  
35 40 45

Ile Gln Arg Val Ala Tyr Asp Ala Ile Leu Ser Arg Glu Cys Ala Asn  
50 55 60

Asp Val Val Leu Met Gly Lys Leu Arg Arg Tyr Arg Lys Leu Pro Ile  
65 70 75 80

Arg Val Arg Ala Arg Glu Tyr Leu Lys Ala Ile Pro Asp Phe Ser Ile  
85 90 95

Phe Pro Phe Ser Leu Leu Lys Leu Leu Val Phe Phe Gly Ile Tyr Phe  
100 105 110

Ile Pro Phe Val Gly Pro Ile Ile Val Leu Phe Phe Gln Ser Ser Lys  
115 120 125

Arg Gly Leu Lys Ala His Ala Arg Tyr Phe Lys Leu Lys Gly Phe Ser  
130 135 140

Arg Ser Asp Ile Arg Thr Ile His Lys Leu Asn Arg Pro Ala Tyr Met  
145 150 155 160

Gly Tyr Gly Val Val Ala Leu Trp Leu Glu Ser Phe Pro Phe Ile Asn  
165 170 175

Met Phe Phe Met Phe Thr Asn Thr Leu Gly Ala Ala Leu Trp Ala Val  
 .180 185 190

Asp Ile Glu Gln Gln Glu Lys Ala Val Thr Glu Asn Val Ala Ala Ala  
195 200 205

Thr Thr Thr Ala Thr Asp Thr Asn Ser Val Asn Gln Gln Gly Leu Val  
210 215 220

Ile Pro Val His Asn Glu Pro Ala Thr Asn Ile Pro Glu Ala Thr Pro  
225 230 235 240

Lys Thr Ala Thr Asn Thr Ile  
245

<210> 443  
 <211> 2270  
 <212> DNA  
 <213> *Candida albicans*

<400> 443  
 gcatttttact tatttagata ttacttcata ttgctttttat ttagattgat tttgttttaac 60  
 agtgaaaagtt tttattttttt ttttgtttaa agttttttatt ttttttttgt ttaaagtttt 120  
 tgtattatac aatattttaaa ttatagtaat catcctataa atttcaaagt caaaagacag 180  
 atcttaaggt ctaattaata actctctatg gccttctgtg tcaaattgtt gtcgtttgat 240  
 aacaagtttg gaacggtaat gggtgaaatt agaaaagaaa aaaattacac atggtagcag 300  
 ctgatgtata gaactttcta gcaaaaaaaaa aaagaaagaa tttttttttc ttccattttt 360  
 caaattttgag agatcgaaat aattttcttg aattttattaa aagggaaccc cttcccgaaa 420  
 aatccaaaac caaaacttcc acccaaatat caaataacta acttatcatt ccaacagata 480  
 atattcccac ttcaataaca atgacaacag ctgacgaata caaagcagaa ggtaacaaat 540  
 attttgctgc taaagattttt gaaaaggcga ttgaagcatt cactaaagca attgaagcat 600  
 cacctgaacc aaaccatgtt ctttattcaa atcgttctgg atccttatgcc tctttaaaag 660  
 attttaacaa cgcattaaaa gatgctcaag aatgtgtcaa gatcaatcct agttgggcca 720  
 aagggtataa tagaattgct ggggctgaat ttgggttagg taattttgat caagccaaat 780  
 ccaattatga aaaatgtttg gagttggatc caaataatgc catggctaaa gaaggtttta 840  
 aatcagttga atctgcttta tcatctgggtg gtgggtgatga caaggattta ggatttggtg 900  
 aaattttaaa tgatcctaatt ctttatacta aattgaaaaa taatcctaaa acaagtgaat 960  
 ttatgaatga tcctcaattt gttgctaaac ttgaacgtct taaaactaat ccacaattgg 1020  
 gtaatcctga tatgtttagt gatccaagat tattgacggc ttttgctgct ttaatgggta 1080  
 ttgacatgga tttaccaaatt atgggattca ctgctccaaa cgaatcacia tccaatgcat 1140  
 cagaacccaaa actggaacca aaatcagtag cagaatctaa accagaacca aaagcagaac 1200  
 aaaaggaaga agaatcaacc tcagccaaag atgaagacac tccaatgact gatgcccaag 1260  
 acgacactaa tgataatgat gccaaaaccc aagctgacaa tgctaaagct gaaggtaatg 1320  
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 atgatgctgc tattgctaca tgtgaaaagg ccattgatga aggtagagac atgagagctg 1500  
 attataaatt gattgctaaa tcatttgcta gattaggtta tattttattg aaaaaagatg 1560  
 aattacccga agcagtgaat aattttgaaa aatctttaac tgaacatcgt acccctgatg 1620  
 ttttaaataa attaagatca actcaacgtg aaattaaaac tagagaatta aatgcttata 1680  
 tagatccaga aaaggctgaa gaagcaagat tacaaggtaa agaataatttc accaaaggag 1740  
 attggccaaa tgccgttaag gcttatactg aaatgattaa aagagcacca gaagatgcta 1800  
 gaggatattc taatcgtgct gctgcatttg caaaattgtt atcatttcct gatgctatac 1860  
 aagattgtaa taaagccatt gaaaaagatc caaatttcat tagagcttat attagaaaag 1920  
 ctaatgctca attggcaatg aaagaatata gtcattgcat ggataacttta accgaggcaa 1980  
 gaactaaaga tgttgaattg ggtggtaaat caattcatga aattgatgaa ttaatgaata 2040  
 aagctactta tcaaagattt caagccattg aagggtgaaac tcctgaacaa actatggaaa 2100  
 gagtttctaa agatccagaa attgttcaaa ttttacaaga tccagtaatg caaggaattt 2160  
 tagctcaagc tagagaaaat cctgctgctt tacaagatca tatgaaaaat cctgaagttt 2220  
 ataaaaaaat taatatgttg attgctgctg gtgttatttcg taccagataa 2270

<210> 444  
 <211> 589  
 <212> PRT  
 <213> *Candida albicans*

<400> 444  
 Met Thr Thr Ala Asp Glu Tyr Lys Ala Glu Gly Asn Lys Tyr Phe Ala  
 1 5 10 15  
 Ala Lys Asp Phe Glu Lys Ala Ile Glu Ala Phe Thr Lys Ala Ile Glu  
 20 25 30

Ala	Ser	Pro 35	Glu	Pro	Asn	His	Val 40	Leu	Tyr	Ser	Asn	Arg 45	Ser	Gly	Ser
Tyr	Ala 50	Ser	Leu	Lys	Asp	Phe 55	Asn	Asn	Ala	Leu	Lys 60	Asp	Ala	Gln	Glu
Cys 65	Val	Lys	Ile	Asn	Pro 70	Ser	Trp	Ala	Lys	Gly 75	Tyr	Asn	Arg	Ile	Ala 80
Gly	Ala	Glu	Phe	Gly 85	Leu	Gly	Asn	Phe	Asp 90	Gln	Ala	Lys	Ser	Asn 95	Tyr
Glu	Lys	Cys	Leu 100	Glu	Leu	Asp	Pro	Asn 105	Asn	Ala	Met	Ala	Lys 110	Glu	Gly
Leu	Lys 115	Ser	Val	Glu	Ser	Ala	Leu 120	Ser	Ser	Gly	Gly 125	Gly	Asp	Asp	Lys
Asp	Leu 130	Gly	Phe	Gly	Lys	Ile 135	Leu	Asn	Asp	Pro	Asn 140	Leu	Tyr	Thr	Lys
Leu 145	Lys	Asn	Asn	Pro	Lys 150	Thr	Ser	Glu	Phe 155	Met	Asn	Asp	Pro	Gln	Phe 160
Val	Ala	Lys	Leu 165	Glu	Arg	Leu	Lys	Thr 170	Asn	Pro	Gln	Leu	Gly 175	Asn	Pro
Asp	Met	Phe	Ser 180	Asp	Pro	Arg	Leu 185	Leu	Thr	Ala	Phe	Ala 190	Ala	Leu	Met
Gly	Ile 195	Asp	Met	Asp	Leu	Pro	Asn 200	Met	Gly	Phe	Thr 205	Ala	Pro	Asn	Glu
Ser	Gln 210	Ser	Asn	Ala	Ser	Glu 215	Pro	Lys	Ser	Glu	Pro 220	Lys	Ser	Val	Pro
Glu 225	Ser	Lys	Pro	Glu	Pro 230	Lys	Ala	Glu	Gln	Lys 235	Glu	Glu	Glu	Ser	Thr 240
Ser	Ala	Lys	Asp 245	Glu	Asp	Thr	Pro	Met 250	Thr	Asp	Ala	Gln	Asp 255	Asp	Thr
Asn	Asp	Asn	Asp 260	Ala	Lys	Thr	Gln 265	Ala	Asp	Asn	Ala	Lys 270	Ala	Glu	Gly
Asn	Ala 275	Leu	Tyr	Lys	Lys	Arg	Gln 280	Phe	Asp	Glu	Ala 285	Ile	Ala	Ala	Tyr
Asn 290	Lys	Ala	Trp	Glu	Leu	His 295	Lys	Asp	Ile	Thr	Tyr 300	Leu	Asn	Asn	Arg
Ala 305	Ala	Ala	Glu	Tyr	Glu 310	Lys	Gly	Asp	Tyr	Asp 315	Ala	Ala	Ile	Ala	Thr 320
Cys	Glu	Lys	Ala 325	Ile	Asp	Glu	Gly	Arg 330	Asp	Met	Arg	Ala 335	Asp	Tyr	Lys



453

Leu Ile Ala Lys Ser Phe Ala Arg Leu Gly Asn Ile Tyr Leu Lys Lys  
                   340                                  345                                  350  
 Asp Glu Leu Pro Glu Ala Val Lys Asn Phe Glu Lys Ser Leu Thr Glu  
                   355                                  360                                  365  
 His Arg Thr Pro Asp Val Leu Asn Lys Leu Arg Ser Thr Gln Arg Glu  
                   370                                  375                                  380  
 Ile Lys Thr Arg Glu Leu Asn Ala Tyr Ile Asp Pro Glu Lys Ala Glu  
 385                                  390                                  395                                  400  
 Glu Ala Arg Leu Gln Gly Lys Glu Tyr Phe Thr Lys Gly Asp Trp Pro  
                                   405                                  410                                  415  
 Asn Ala Val Lys Ala Tyr Thr Glu Met Ile Lys Arg Ala Pro Glu Asp  
                                   420                                  425                                  430  
 Ala Arg Gly Tyr Ser Asn Arg Ala Ala Ala Leu Ala Lys Leu Leu Ser  
                                   435                                  440                                  445  
 Phe Pro Asp Ala Ile Gln Asp Cys Asn Lys Ala Ile Glu Lys Asp Pro  
                   450                                  455                                  460  
 Asn Phe Ile Arg Ala Tyr Ile Arg Lys Ala Asn Ala Gln Leu Ala Met  
 465                                  470                                  475                                  480  
 Lys Glu Tyr Ser His Val Met Asp Thr Leu Thr Glu Ala Arg Thr Lys  
                                   485                                  490                                  495  
 Asp Val Glu Leu Gly Gly Lys Ser Ile His Glu Ile Asp Glu Leu Met  
                                   500                                  505                                  510  
 Asn Lys Ala Thr Tyr Gln Arg Phe Gln Ala Ile Glu Gly Glu Thr Pro  
                   515                                  520                                  525  
 Glu Gln Thr Met Glu Arg Val Ser Lys Asp Pro Glu Ile Val Gln Ile  
                   530                                  535                                  540  
 Leu Gln Asp Pro Val Met Gln Gly Ile Leu Ala Gln Ala Arg Glu Asn  
 545                                  550                                  555                                  560  
 Pro Ala Ala Leu Gln Asp His Met Lys Asn Pro Glu Val Tyr Lys Lys  
                                   565                                  570                                  575  
 Ile Asn Met Leu Ile Ala Ala Gly Val Ile Arg Thr Arg  
                   580                                  585

&lt;210&gt; 445

&lt;211&gt; 1019

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 445

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ccactaacaa actttttttt gactatacac cactgaaaaa aaaaaaaaaa tttttgtaaa 60
aaatcttaag aatttcagtt tagaaggtat tcaacaacaa ccgaagagta tggtcaacat 120
cgttataata gaatagaata agagcatgac aacaaagggg tacaagcttg aaaaaagaaa 180
aaggggtggga tatcttaaaa ttattaaaga gtttttttta taacatgtca ttgagattga 240
gattggggaat actgaattcg attttaaaagt cattggatgg gagagttaat tattcgtttt 300
attattagga ttaccaatga atagtaatga agtgatggag agatagaatg aaagtattca 360
gaagagcatc aagtccctta taagtttggt agacataata tgtctacccc cttgtcaact 420
tgtcataaat tttattgctc gtcctttaaa agaaatgaat aaaaagattt actaacttaa 480
tttcaattat ttatagaaaag atgtctagat taaacgaata tcaagttatt ggtcgttaatt 540
taccaactga atccggtcca gaaccaaagt tggttcagaat gagaattttt gtcctcaaca 600
ccggttggtgc caaatcaaga tattggtatt tcttgcaaaa attgcataaa gttaaaaaag 660
cttctgggtga aattgtatct gtcaacatta tttctgaagc taaaccaact aaagttaaaa 720
cttttggtat ttgggttaaga tatgaatcca gatctggtat tcataacatg tacaagaat 780
acagagatgt tactagagtt ggtgctggtg aaaccatgta ccaagattta gctgctagac 840
acagagctag atttagaagt atccatattt tgaaagttgt tgaattagaa aaaactgatg 900
atggttaaaag acaatacgtt aaacaatttt tgactaaaga tttgaaattc ccattaccac 960
acagagtcca aaaatctaag aaattgttcc aagctactgc tccaaccact ttctactaa 1019

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&lt;210&gt; 446

&lt;211&gt; 172

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 446

```

Met Ser Arg Leu Asn Glu Tyr Gln Val Ile Gly Arg Asn Leu Pro Thr
  1             5             10             15

```

```

Glu Ser Val Pro Glu Pro Lys Leu Phe Arg Met Arg Ile Phe Ala Pro
      20             25             30

```

```

Asn Thr Val Val Ala Lys Ser Arg Tyr Trp Tyr Phe Leu Gln Lys Leu
    35             40             45

```

```

His Lys Val Lys Lys Ala Ser Gly Glu Ile Val Ser Val Asn Ile Ile
    50             55             60

```

```

Ser Glu Ala Lys Pro Thr Lys Val Lys Thr Phe Gly Ile Trp Leu Arg
    65             70             75             80

```

```

Tyr Glu Ser Arg Ser Gly Ile His Asn Met Tyr Lys Glu Tyr Arg Asp
      85             90             95

```

```

Val Thr Arg Val Gly Ala Val Glu Thr Met Tyr Gln Asp Leu Ala Ala
    100            105            110

```

```

Arg His Arg Ala Arg Phe Arg Ser Ile His Ile Leu Lys Val Val Glu
    115            120            125

```

```

Leu Glu Lys Thr Asp Asp Val Lys Arg Gln Tyr Val Lys Gln Phe Leu
    130            135            140

```

```

Thr Lys Asp Leu Lys Phe Pro Leu Pro His Arg Val Gln Lys Ser Lys
    145            150            155            160

```

```

Lys Leu Phe Gln Ala Thr Ala Pro Thr Thr Phe Tyr
      165            170

```

<210> 447  
 <211> 932  
 <212> DNA  
 <213> Candida albicans

<400> 447  
 tgtttacttt ttctgtagtt ttaaagtttc ctaattttaac ttccaaaagt ttcattaaca 60  
 acaatattaa catacctttg tcacaagcaa ttatattgaa gttttttgat acaagtgtgt 120  
 tgtttttttg tgtacatgtg agatatataa ttgtgtatat acagtcacgt gaatagagca 180  
 gaaaaattac gaagtagaaa tattggtagc gcggttagggc tatagcccta tttagtttgt 240  
 gcaccacacg acttacaatt tttttttttt tctttcttag aatccttgag gcaactgacac 300  
 tgtactctct ctctctctct ctctctctcg taggtagtga aaaatttcca ctagtcttcc 360  
 cataacccac ctaggttctt tcttttgga accactgagc agtaaatcaa tttacttgac 420  
 gaagaagtct atacataaat ataaacttgt cccctccccc cccttttttt ttaactaact 480  
 aagaagaaaa aattaaaaaa atgtctgacg ttgaacaaga acaaattgtt gaagaagttg 540  
 ttgttgaaga acaatccggt gccatcacca ttgaagatgc tttaaaagtt gttttaagaa 600  
 cttctttagt ccatgatggt tttagctagag gtttaagaga agcttctaaa gctttatcta 660  
 aaagagaagc tcaattatgt gttttgtgtg actctgttac tgaagaatca atcatcaaat 720  
 tggttgaagc tttatgtaat gaaccagaag aaaaaatccc attgattaaa gtttccgatg 780  
 ctaaattatt ggggtgaatgg gctggtttat gtcaattaga tagagatggg aatgctagaa 840  
 aagttgttgg tgcctcttgt gttgttgta aaaactgggg tgctgattct gatgaaagaa 900  
 acatcttggt ggaacacttt tctcaacaat aa 932

<210> 448  
 <211> 143  
 <212> PRT  
 <213> Candida albicans

<400> 448  
 Met Ser Asp Val Glu Gln Glu Gln Ile Val Glu Glu Val Val Val Glu  
 1 5 10 15  
 Glu Gln Ser Gly Ala Ile Thr Ile Glu Asp Ala Leu Lys Val Val Leu  
 20 25 30  
 Arg Thr Ser Leu Val His Asp Gly Leu Ala Arg Gly Leu Arg Glu Ala  
 35 40 45  
 Ser Lys Ala Leu Ser Lys Arg Glu Ala Gln Leu Cys Val Leu Cys Asp  
 50 55 60  
 Ser Val Thr Glu Glu Ser Ile Ile Lys Leu Val Glu Ala Leu Cys Asn  
 65 70 75 80  
 Glu Pro Glu Glu Lys Ile Pro Leu Ile Lys Val Ser Asp Ala Lys Leu  
 85 90 95  
 Leu Gly Glu Trp Ala Gly Leu Cys Gln Leu Asp Arg Asp Gly Asn Ala  
 100 105 110  
 Arg Lys Val Val Gly Ala Ser Cys Val Val Val Lys Asn Trp Gly Ala  
 115 120 125

456

Asp Ser Asp Glu Arg Asn Ile Leu Leu Glu His Phe Ser Gln Gln  
 130 135 140

<210> 449  
 <211> 881  
 <212> DNA  
 <213> Candida albicans

<400> 449  
 aaaatttcca atcttgaatt tcatcttcaa cgtcataaac ttgttctggt tgaaatttat 60  
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 ttccctttga agtctttgac tctagctggt catctgtcat tacccttggc ttggtttgtc 180  
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 <212> PRT  
 <213> Candida albicans

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 <213> *Candida albicans*

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&lt;210&gt; 452

&lt;211&gt; 1364

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 452

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Leu Pro Gln Ser Gly Val Ser Ser Ile Pro Thr Asn Lys Leu Pro Leu
      20                      25                      30

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Pro Asn Ala Asn Glu Asp Phe Ala Thr Gly Val Ser Asn Gly Asp Val

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459

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65					70					75					80
Lys	Asn	Ser	Glu	Lys	Thr	Thr	Ala	Lys	Pro	Asn	Glu	Thr	Lys	His	Glu
				85					90					95	
Ser	Asn	Gly	Glu	Lys	Leu	Glu	Phe	Asn	Val	Pro	Lys	Ser	Val	Met	Pro
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Thr	Lys	His	Thr	Ser	Ser	Gly	Asn	Pro	Lys	Ala	Pro	Thr	Asn	Gly	Gln
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Ile	Ser	Asn	Val	Thr	Pro	Ser	Gln	Pro	Ser	Pro	Lys	Gln	Thr	Thr	Ser
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Gly	Ser	Thr	Asn	Ala	Asn	Asp	Ile	Pro	Pro	Ile	Ser	Pro	Lys	Gln	Pro
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Glu	Lys	Ala	Ser	Lys	Leu	Asn	Lys	Leu	Lys	Ile	Gly	Arg	Ser	Arg	Ser
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Ser	Ser	Ala	Ser	Thr	Val	Val	Pro	Ser	Ser	Thr	Thr	Ala	Ser	Thr	Thr
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Thr	Asn	Pro	Gly	Asp	Pro	Lys	Ser	Gln	Pro	Lys	Arg	Arg	Ser	Ser	Ser
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Phe	Asn	Phe	Val	Thr	Pro	Ser	Leu	Thr	Ser	Asp	Leu	Ala	Tyr	Asp	Asp
210						215					220				
Pro	Ala	Leu	Val	Ser	Gln	Leu	Ser	Asn	Asn	Ser	Asn	Ser	Ser	Asn	Ser
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Ser	Ser	Pro	Asn	Val	Ser	Arg	Ser	Asn	Ser	Lys	Lys	Gly	Gly	Leu	Phe
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Ser	Ser	Leu	Ser	Ser	Lys	Phe	Arg	Ser	Ser	Ser	Ala	Ser	Ser	Lys	Gln
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Pro	Gln	Ser	His	Ser	Ser	Ser	Thr	Pro	Ser	Thr	Thr	Thr	Thr	Asn	Gly
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Phe	Asn	Pro	Ser	Leu	Val	Gly	Pro	Val	Ser	Lys	His	Asn	Arg	Glu	Ala
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Glu	Asp	Leu	Val	Ser	Leu	Thr	Asn	Thr	Leu	Pro	Ala	Gly	Ser	Gly	Ile
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Pro	Ile	Lys	Arg	Lys	Pro	Ser	Ile	Ser	Gly	Asn	Ser	Ile	Phe	Lys	Asp

460

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Pro	Ser	Thr	His	Ala	Ser	Thr	Pro	Arg	Val	Ile	Leu	Asn	Lys	Asn	Pro
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Asn	Arg	Arg	Lys	Val	Pro	Ile	Glu	Glu	Ile	Ser	Glu	Val	Arg	Leu	Arg
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Arg	Val	Thr	Phe	Ser	Val	Asp	Lys	Leu	Glu	His	Asp	Pro	Gln	Gln	Gln
			420					425					430		
Ile	Pro	Ser	Arg	Arg	Pro	Lys	Arg	Gly	Asn	Val	Leu	Ile	Pro	Gln	Asp
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465					470					475					480
Asp	His	Glu	Ile	Ala	Leu	Ala	Glu	Asp	Ala	Gln	Arg	Arg	Ala	Ile	Ile
				485				490						495	
Glu	Ala	Glu	Lys	His	Ala	Gln	Glu	Ala	His	Arg	Gln	Ala	Lys	Lys	Ile
			500					505					510		
Ala	Gln	Glu	Val	Ser	Gly	Tyr	Arg	Ser	His	Arg	Phe	Ile	Ser	Ile	Lys
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Glu	Gly	Gly	Ser	Val	Gly	Asn	Ser	Asn	Thr	Asn	Gly	Asn	Asp	Asn	Asp
	530					535					540				
Glu	Asp	Asp	Asp	Glu	Val	Glu	Glu	Ala	Val	Asp	Lys	Lys	Leu	Ala	Asn
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Asp	Val	Ser	Val	Asp	Gly	Pro	Leu	His	Val	His	Glu	Gln	His	Phe	Glu
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		595					600					605			
Thr	Leu	Lys	Gln	Leu	Lys	Asn	Lys	Thr	Ala	Pro	Leu	Glu	Val	Leu	Lys
	610					615					620				
Met	Leu	Asn	Pro	Lys	Pro	Thr	Leu	Ile	Asp	Val	Leu	Ser	Phe	Ser	Asp
625					630					635					640
Phe	Ile	Ala	Ile	Thr	Pro	Ile	Asn	Thr	Val	Ile	Phe	Asp	Asn	Val	Thr



461

645										650					655				
Met	Thr	Thr	Glu	Met	Leu	Lys	Asn	Phe	Leu	Gly	Ser	Leu	Thr	Tyr	Asn				
			660					665						670					
Lys	Gln	Leu	Glu	Lys	Leu	Ser	Leu	Arg	Asn	Val	Ser	Ile	Asp	Glu	Leu				
		675					680					685							
Gly	Trp	Lys	Tyr	Leu	Cys	Glu	Phe	Leu	Ala	Thr	Asn	Lys	Thr	Val	Lys				
	690					695					700								
Lys	Leu	Asp	Ile	Ser	Gln	Gln	Arg	Ile	Lys	Pro	Asp	Thr	Pro	Asp	Thr				
705					710					715					720				
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Leu	Arg	Gly	Gly	Ile	Glu	Glu	Leu	Val	Ile	Asn	Gly	Cys	Lys	Leu	Ser				
			740					745					750						
Asp	Ala	Ile	Phe	Glu	Lys	Phe	Ile	Asn	Gln	Ala	Val	Lys	Lys	Ser	Thr				
		755					760					765							
Tyr	Arg	Leu	Gly	Ile	Ala	Gly	Ile	Asp	Leu	Asn	Val	Lys	Lys	Ser	Glu				
	770					775					780								
Met	Val	Thr	Ser	Trp	Leu	Thr	Asp	Gly	Asn	Ser	Gln	Cys	Val	Gly	Val				
785					790					795					800				
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				805					810					815					
Asn	Ala	Phe	Asn	Thr	Gly	Lys	Val	Asn	Asn	Leu	Val	Phe	Phe	Ser	Leu				
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Ser	Leu	Ile	Asn	Val	Lys	Thr	Leu	Arg	Phe	Leu	Asp	Leu	Ser	Ser	Ile				
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Pro	Asn	Ile	Phe	Pro	Lys	Ile	Ile	Thr	His	Leu	Asp	Lys	Tyr	Leu	Pro				
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Leu	Val	His	Val	Ser	Leu	Leu	Gly	Asn	Arg	Asn	Leu	Ser	Thr	Thr	Ser				
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Ala	Ala	Thr	Leu	Tyr	Gly	Ala	Val	Lys	Gln	Ser	Lys	Thr	Leu	Phe	Ala				
	930					935					940								
Leu	Asp	Leu	Asp	Tyr	Asp	Leu	Ile	Pro	Asp	Gln	Leu	Ser	Gln	Arg	Ile				

462

945	950	955	960
Ala Phe Tyr Leu Met Arg Asn Leu Glu Tyr Thr Leu Lys Pro Ser His	965	970	975
Gly Gly Asn Ile Glu Ser Asn Pro Glu Lys Pro Glu Asp Leu Met Tyr	980	985	990
Asp Gly Ser Leu Leu Met Glu Thr Ala Glu Lys Leu Leu Val Glu Ile	995	1000	1005
Glu Lys Gly Lys Lys Glu Asp Ile Lys Met Gln Arg Ile Ile Ser Asp	1010	1015	1020
Ser Val Leu Glu Arg Thr Arg Ser Ile Arg Lys Asp Ile His Lys Thr	1025	1030	1035
Ile Asp Thr Leu Phe Glu Gln Arg Asn Leu Gly Lys Leu Ser Phe Glu	1045	1050	1055
Gly Lys Glu Asn Leu Val Arg Phe Cys Leu Leu Asp Ser Ser Leu Glu	1060	1065	1070
Lys Leu Val Val Met Val Glu Glu His Ala Asn Gly Leu Leu Leu Thr	1075	1080	1085
Pro Thr Thr Ser Thr Asp Asp Leu Arg Ser Arg Ala Met Ser Pro Ser	1090	1095	1100
Val Thr Val Asp Thr Ile His Glu Ser Ala Asn Glu Leu Ile Thr Ala	1105	1110	1115
Gly Pro Ile Leu Ser Pro His Val Asn Arg Lys Ala Glu Gln Ser Ser	1125	1130	1135
Tyr Phe Pro Val Phe Ala Asn Asn Asp Asn Leu Thr Pro His Gln Val	1140	1145	1150
Val Val Glu Ser Asn Asp Glu Gly Arg Asp Val Pro Ile Asp Lys Met	1155	1160	1165
Thr Gly Arg Pro Val Leu Ile Arg Ser Ile Ser Gln Thr Ser Val His	1170	1175	1180
Ala Lys Glu Gln Glu Ile Glu Glu Gly Glu Leu His Lys Phe Gly Phe	1185	1190	1195
Phe Ile Gln Gln Lys Glu Arg Gln Lys Gln Gln Gln Gln Gln Gln	1205	1210	1215
Gln Gln Asn Ser His His Gln His Gln Pro Ala Gln Ser Ile Gln Gln	1220	1225	1230
Glu Asn Gln Ser Pro Ser Pro Gln Gln Gly Lys Tyr Glu Asp Leu Pro	1235	1240	1245
Ile Leu Asn Thr Leu Pro Ser Gly Pro Glu Leu Arg Asp Ala Ile Met			

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Asn His Arg Val Lys Ile Asp Ala Pro Ser Thr Lys His His His Glu		
1285	1290	1295
Leu Asn Lys Pro Asn Ser Asp Lys Val Val Glu Asp Glu Val Glu Val		
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Ser Asp Asn Ala Ser Ile Asp Ser Thr Asn Gly Asp Asp Leu His Gln		
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Leu Gly Asp Gly Lys His Asn Gly Asn Gly Thr Val Asp Pro Met Val		
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Asn Arg Asp Ile		

&lt;210&gt; 453

&lt;211&gt; 1859

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 453

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ctttcgttta tatcagtttt ttgcaagaaa aaaaggaaaa caaaacaaaa taacaccaca 420
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cgaatggttt gaaagtgtat tatgtaccac tttgggtgat ctatagaagc tcagttttcc 720
caactgtatt tctgtgcttc ccaatattga ggaatatctt catacgagaa aacattgaga 780
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 gtataatagc aggcaaactt tatgctttat gtgtaatagt ggatattttt attttcgtga 1740  
 tactagaatg gttgtatccc gctgatcata tcgataaagc aacaaaatgg ccactggcta 1800  
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<210> 454

<211> 452

<212> PRT

<213> Candida albicans

<400> 454

Met	Gly	Tyr	Asn	Ile	Ala	Met	Val	Thr	Asp	Phe	Phe	Tyr	Pro	Gln	Pro	
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			20					25					30			
Leu	Gly	His	Ser	Val	Val	Ile	Ile	Thr	His	Asn	Tyr	Ser	Ser	Arg	Asn	
		35					40					45				
Gly	Val	Arg	Val	Leu	Thr	Asn	Gly	Leu	Lys	Val	Tyr	Tyr	Val	Pro	Leu	
	50					55					60					
Trp	Val	Ile	Tyr	Arg	Ser	Ser	Val	Phe	Pro	Thr	Val	Phe	Ser	Cys	Phe	
	65				70					75					80	
Pro	Ile	Leu	Arg	Asn	Ile	Phe	Ile	Arg	Glu	Asn	Ile	Glu	Ile	Ile	His	
			85					90						95		
Gly	His	Gly	Ser	Phe	Ser	Thr	Leu	Cys	His	Glu	Ala	Ile	Leu	His	Gly	
		100						105					110			
Arg	Thr	Met	Gly	Leu	Lys	Thr	Val	Phe	Thr	Asp	His	Ser	Leu	Phe	Gly	
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Phe	Ala	Glu	Ile	Gly	Ser	Ile	Met	Gly	Asn	Lys	Ala	Leu	Lys	Phe	Thr	
	130					135					140					
Phe	Ser	Asp	Val	Gly	His	Val	Ile	Cys	Val	Ser	His	Thr	Cys	Lys	Glu	
145					150					155					160	
Asn	Thr	Val	Leu	Arg	Gly	Ser	Ile	Asp	Pro	Ile	Lys	Val	Ser	Val	Ile	
			165						170					175		
Pro	Asn	Ala	Val	Ile	Ser	Lys	Asp	Phe	Lys	Pro	Lys	Ser	His	Cys	Val	
		180						185					190			
Asn	Lys	Asn	Tyr	Thr	Lys	Glu	Ile	Thr	Ile	Val	Val	Ile	Thr	Arg	Leu	
		195				200						205				
Phe	Pro	Asn	Lys	Gly	Ala	Asp	Leu	Leu	Thr	Ala	Val	Ile	Pro	Lys	Ile	
	210					215					220					
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cagcctagta	actcaagtgt	tgttacactc	ttgttattat	tattattata	tcgtttacaa	180	
gtagatttct	cattttgaac	agcaaatact	gtcgttaata	ggaatcagag	gcagaaaagaa	240	
agagagtgaa	aaaaaaaaag	gacacattta	cagctacacc	cttaaacttga	aggaaaaaaa	300	
caaaacaaga	gagacaaaga	aagagacaaa	gaaaatactt	tcaacaacga	aagattgaga	360	

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tattggtgat tttcacaaac caaaaaaaaaa gaatacacaa cttgtagatt aacagaattt 420
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tatacaagaa catttcaatc atgtggattt ttgactgggt tatgtaatga tttatcttta 540
ccgaatcaat actttattta tgagtgattg gttggttgggt tataatacca ccactttatt 600
ctattaacca agtttgatct aattactgat ctgtatatac taaccaaata tttaccttat 660
cacttaatta tttacagttc aagatatatt atcatcatta ggattatgga ataaacatgc 720
caaattatta tttttagggt tagataatgc tggtaaaaact actcttttac atatgttaaa 780
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gaaagattat ttccctgaag tcaatgggat tgtcttttta gtcgatgctg ctgataccga 960
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<210> 456

<211> 190

<212> PRT

<213> Candida albicans

<400> 456

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 1              5              10              15

Trp Asn Lys His Ala Lys Leu Leu Phe Leu Gly Leu Asp Asn Ala Gly
      20              25              30

Lys Thr Thr Leu Leu His Met Leu Lys Asn Asp Arg Leu Ala Thr Leu
      35              40              45

Gln Pro Thr Leu His Pro Thr Ser Glu Glu Leu Ala Ile Gly Ser Val
      50              55              60

Arg Phe Thr Thr Phe Asp Leu Gly Gly His Gln Gln Ala Arg Arg Leu
      65              70              75              80

Trp Lys Asp Tyr Phe Pro Glu Val Asn Gly Ile Val Phe Leu Val Asp
      85              90              95

Ala Ala Asp Thr Glu Arg Phe Ala Glu Ser Lys Ala Glu Leu Glu Ser
      100              105              110

Leu Phe Arg Ile Glu Glu Leu Ser Gln Val Pro Phe Val Ile Leu Gly
      115              120              125

Asn Lys Ile Asp Val Pro Thr Ala Val Gly Glu Met Glu Leu Lys Asn
      130              135              140

Ala Leu Gly Leu Tyr Asn Thr Thr Gly Lys Asp Thr Gly Lys Leu Pro
      145              150              155              160

Glu Gly Thr Arg Pro Ile Glu Val Phe Met Val Ser Val Val Met Arg
      165              170              175

Ser Gly Tyr Gly Glu Ala Phe Lys Trp Leu Ser Gln Tyr Ile

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180

185

190

<210> 457  
 <211> 899  
 <212> DNA  
 <213> Candida albicans

<400> 457  
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 agcgcgattt taccagaact agatggcgct cgtgatcctg aaaacgggga gaaattttga 120  
 gaacaccgct ttattaggcg aagcgggtggg cacagctcac gcgtaagggtg ttcccattat 180  
 ttctcaaaagt gatgcgaatt tcagagaaca cattaacctg ggggccataa acgcgacgtg 240  
 ctaccatttt cgttacgtat acttaggcca gagattacaa catgactact aatatcaaac 300  
 ataactctat atataaggga tgaagatgta tgctttctta gaatttcaaa catgttccgt 360  
 taaagtttta cttttcgatt tcaatttcga ctgcatgatg cttttcttag gtagtttttt 420  
 gttattaaat agtatcataa attcttgtct ttttacataa gaattaggaa agtacagaac 480  
 aagagcaaat ttaatatata atgtccgggtg gtaaagggtgg taaagctggt tcagctgcta 540  
 aagcttctca atctagatct gctaaagctg gtttaacatt cccagttggt agagtgcaca 600  
 gattgctaag aagaggtaac tacgccaga gaattgggtc tgggtgctcca gtctatctaa 660  
 ctgctgtctt agaatatattg gctgctgaaa ttttagaatt ggctggtaat gctgctagag 720  
 ataacaaaaa aaccagaatt attccaagac atttacaatt ggccatcaga aatgatgatg 780  
 aattgaacaa gctattgggt aatgttacca tcgccaagg tgggtgtttg ccaaacattc 840  
 accaaaactt gttgccaaag aagtctgcca agactgcca agcttctcaa gaactgtaa 899

<210> 458  
 <211> 132  
 <212> PRT  
 <213> Candida albicans

<400> 458  
 Met Ser Gly Gly Lys Gly Gly Lys Ala Gly Ser Ala Ala Lys Ala Ser  
 1 5 10 15  
 Gln Ser Arg Ser Ala Lys Ala Gly Leu Thr Phe Pro Val Gly Arg Val  
 20 25 30  
 His Arg Leu Leu Arg Arg Gly Asn Tyr Ala Gln Arg Ile Gly Ser Gly  
 35 40 45  
 Ala Pro Val Tyr Leu Thr Ala Val Leu Glu Tyr Leu Ala Ala Glu Ile  
 50 55 60  
 Leu Glu Leu Ala Gly Asn Ala Ala Arg Asp Asn Lys Lys Thr Arg Ile  
 65 70 75 80  
 Ile Pro Arg His Leu Gln Leu Ala Ile Arg Asn Asp Asp Glu Leu Asn  
 85 90 95  
 Lys Leu Leu Gly Asn Val Thr Ile Ala Gln Gly Gly Val Leu Pro Asn  
 100 105 110  
 Ile His Gln Asn Leu Leu Pro Lys Lys Ser Ala Lys Thr Ala Lys Ala  
 115 120 125

Ser Gln Glu Leu  
130

<210> 459  
<211> 893  
<212> DNA  
<213> *Candida albicans*

<400> 459  
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ttgctaataca agagaacttc aacaattttc catcgcagag acgaaaaaac tggaaaaaaa 180  
taaaaagaaa aaattgaaaa agaatcgcga cttccgatta cataacctta tacggagtat 240  
gataccattc ttgacatcat caacacacca tcgcagaccc acgtggccgc ttcgtgtgcc 300  
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acgctgggagc tgcataacca gtgaaaatgc cgtaccgccc cgcttccggt tttgttttta 420  
taaatccgac tggagaaata gacttctggg tttaacacccc ggaataatac taaaacccaa 480  
actggtaaat agggctacag atgagcagga aaacgtagc ggaaaaagtt tatttatccg 540  
agagaataat tgatgaagaa gttagcggtat gcacagtagc ggcggaagta ttagcaattt 600  
ttactctggt gtgcacaaga gtgttcatca tttttttcac ggctaggata tgccatggaa 660  
tatggccatc ttcgccatca gagagaccgt accacacggt tagagcagcc aggttgcgaa 720  
actcttctaa gatggtttcc agcaattgtg tactatcaga atgtggacag tttaaaaggt 780  
tgactgcgaa tttgtcccaa accgtatcac cgtcgcattt tttgaatttg atcaaagcac 840  
cactcctaatac agcacagcga tgctgtgagt gtgccagtgg gaacgggtgc tga 893

<210> 460  
<211> 130  
<212> PRT  
<213> *Candida albicans*

<400> 460  
Met Ser Arg Lys Thr Leu Pro Glu Lys Val Tyr Leu Ser Glu Arg Ile  
1 5 10 15  
Ile Asp Glu Glu Val Ala Val Cys Thr Val Ala Ala Glu Val Leu Ala  
20 25 30  
Ile Phe Thr Leu Val Cys Thr Arg Val Phe Ile Ile Phe Phe Thr Ala  
35 40 45  
Arg Ile Cys His Gly Ile Trp Pro Ser Ser Pro Ser Glu Arg Pro Tyr  
50 55 60  
His Thr Phe Arg Ala Ala Arg Leu Arg Asn Ser Ser Lys Met Val Ser  
65 70 75 80  
Ser Asn Cys Val Leu Ser Glu Cys Gly Gln Phe Lys Arg Leu Thr Ala  
85 90 95  
Asn Leu Ser Gln Thr Val Ser Pro Ser His Phe Leu Asn Leu Ile Lys  
100 105 110  
Ala Pro Leu Leu Ile Ala Gln Arg Cys Cys Glu Cys Ala Ser Gly Asn  
115 120 125



Gly Cys  
130

<210> 461  
<211> 884  
<212> DNA  
<213> *Candida albicans*

<400> 461  
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gttccaagat cgcattgccaa gaggggaccg ccattgatgt taaacattaa ctccacgggg 120  
tactgtggta tgatcctcgt taaagacaga gaaaaactag agaacctcac tgaagatcct 180  
catcttgtgg acaagtcggt actgcaatgc gggttcccca acacagcagg ccaaaaacca 240  
acagagtatc actattaagg tctattagcc atatgtacat tgtctataga tgtgtaactg 300  
cgctgtgatc ttgttttgac caatcaggag cgacgcgctt tttatcgggt caccgccggc 360  
gggggcctga caatttactt tcatagagca gtaataaaag ggaagagatg taaaagcttg 420  
gaaaaatagc agtaaagggt gttgttggac aatttatcag aatattagta actgtaatta 480  
aacgttccag aaagaacaaa atgccacagt cttttacgtc tattgcgaga attggtgact 540  
atattttgaa gtcacccgtc ctctccaagt tatgtgttcc agttgccaat cagttcatta 600  
acctcgcagg ttacaagaag ttagggctca aatttgacga cttattgca gaggaaaatc 660  
ccatcatgca gaccgcttta agaagactcc ctgaagatga atcttatgcc agagcatata 720  
gaataatcag ggctcatcaa accgagttga ctcatcattt actgccaaga aacgaatgga 780  
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ctaaggagaa ggacgagtta gacaacatag aggtctccaa atga 884

<210> 462  
<211> 127  
<212> PRT  
<213> *Candida albicans*

<400> 462  
Met Pro Gln Ser Phe Thr Ser Ile Ala Arg Ile Gly Asp Tyr Ile Leu  
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Lys Ser Pro Val Leu Ser Lys Leu Cys Val Pro Val Ala Asn Gln Phe  
20 25 30  
Ile Asn Leu Ala Gly Tyr Lys Lys Leu Gly Leu Lys Phe Asp Asp Leu  
35 40 45  
Ile Ala Glu Glu Asn Pro Ile Met Gln Thr Ala Leu Arg Arg Leu Pro  
50 55 60  
Glu Asp Glu Ser Tyr Ala Arg Ala Tyr Arg Ile Ile Arg Ala His Gln  
65 70 75 80  
Thr Glu Leu Thr His His Leu Leu Pro Arg Asn Glu Trp Ile Lys Ala  
85 90 95  
Gln Glu Asp Val Pro Tyr Leu Leu Pro Tyr Ile Leu Glu Ala Glu Ala  
100 105 110  
Ala Ala Lys Glu Lys Asp Glu Leu Asp Asn Ile Glu Val Ser Lys

115

120

125

<210> 463  
 <211> 1025  
 <212> DNA  
 <213> *Candida albicans*

<400> 463  
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 gtgtagccta atgtttaatg cctaattttt ttctaaaatg cagcaacata catatggtga 180  
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 caccgccttc tttttatttt tatccgaaga tcttttggaa cccgctctgc gaatagcgaa 360  
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 gaggcattca tttcgtgtat tataacgttt agcatcagtt acccttgaaa gccaacata 480  
 tacaaaaata cgcgtccaag atgtctacta aagcccaaaa ccctatgcgt gatttgaaga 540  
 tcgagaaatt ggtcttgaac atctccgttg gtgaatctgg tgacagatta accagagcct 600  
 ccaagggtttt agaacaatta tctggtcaaa ctccagttca atccaaggcc agatacactg 660  
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 tcaagtatga cccatccatc ggtattttcg gtatggattt ctatgtcgtc atgaacagac 900  
 caggtgctag agtcactaga agaaagagat gtaagggtac tgttggtaac tcccacaaga 960  
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 aataa 1025

<210> 464  
 <211> 174  
 <212> PRT  
 <213> *Candida albicans*

<400> 464  
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 20 25 30  
 Ala Ser Lys Val Leu Glu Gln Leu Ser Gly Gln Thr Pro Val Gln Ser  
 35 40 45  
 Lys Ala Arg Tyr Thr Val Arg Thr Phe Gly Ile Arg Arg Asn Glu Lys  
 50 55 60  
 Ile Ala Val His Val Thr Val Arg Gly Pro Lys Ala Glu Glu Ile Leu  
 65 70 75 80  
 Glu Arg Gly Leu Lys Val Lys Glu Tyr Gln Leu Arg Asp Arg Asn Phe  
 85 90 95  
 Ser Ala Thr Gly Asn Phe Gly Phe Gly Ile Asp Glu His Ile Asp Leu  
 100 105 110

471

Gly Ile Lys Tyr Asp Pro Ser Ile Gly Ile Phe Gly Met Asp Phe Tyr  
 115 120 125

Val Val Met Asn Arg Pro Gly Ala Arg Val Thr Arg Arg Lys Arg Cys  
 130 135 140

Lys Gly Thr Val Gly Asn Ser His Lys Thr Thr Lys Glu Asp Thr Val  
 145 150 155 160

Ser Trp Phe Lys Gln Lys Tyr Asp Ala Asp Val Leu Asp Lys  
 165 170

<210> 465  
 <211> 1298  
 <212> DNA  
 <213> Candida albicans

<400> 465  
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 ggataattag cagcaattga acacaaggga tatcatttgt gtgaccttg ttcctctcat 180  
 agttgctgtg aacccttttag taactattaa tgtttatttc atgagactag tcaaaacatt 240  
 caataacagt ttttctatat gagaaaaaaa aaaaaaaaaa aaaaaatgaa aaagcaacag 300  
 tacgattatt acactgacta tgctgcagtt tccgcaatag caaaattgtg tcacattaca 360  
 cgaaagaaaag aaagaacgct atttcttata agagcaaact gttgataagt ttatagcaag 420  
 aataaaaagg gtaaaaagtc attgataata accactgctg tgactatata taataagaat 480  
 cgaactgtaa agttaaaagca atgggtgttcg gtcagctgta tgcccttttc atcttcacgt 540  
 tatcatgttg tatttccaaa actgtgcaag cagattcatc caaggaaagc tcttccttta 600  
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 acaacttgat gattgacgaa gaatacccat tcttcaatag attctttgcc aatgatgtca 780  
 gttaactgt tcatgacgat tcgcctttga acatctctca atcattatct cccattatgg 840  
 aacaatttac tgtggatgaa ttacctgaaa gtgcctctga ctactatat gaataactcct 900  
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 tagatgaatt tattgattct tgcttatcgt ttttggaaga taaatctggc gacaatttga 1020  
 ctgtgggttat taactctctt gggtgggctt ttgaagatga agatggtgac gatgaatatg 1080  
 caacagaaga gactttgagc catcatgata acaacaaggg taaagaaggc gacgatgata 1140  
 ttttaagctc catctggact gaaggactac taatgtgttt aatagtttct gcgttgctat 1200  
 tgttcatttt gattgttgca ctttcttgga tatctaattt ggatatcaca tatggtgcgt 1260  
 tggaaaaatc aacaaaccca ataaaaaaa acaattaa 1298

<210> 466  
 <211> 265  
 <212> PRT  
 <213> Candida albicans

<400> 466  
 Met Val Phe Gly Gln Leu Tyr Ala Leu Phe Ile Phe Thr Leu Ser Cys  
 1 5 10 15

Cys Ile Ser Lys Thr Val Gln Ala Asp Ser Ser Lys Glu Ser Ser Ser  
 20 25 30

Phe Ile Ser Phe Asp Lys Glu Ser Asn Trp Asp Thr Ile Ser Thr Ile

472

35	40	45
Ser Ser Thr Ala Asp Val Ile Ser Ser Val Asp Ser Ala Ile Ala Val 50 55 60		
Phe Glu Phe Asp Asn Phe Ser Leu Leu Asp Asn Leu Met Ile Asp Glu 65 70 75 80		
Glu Tyr Pro Phe Phe Asn Arg Phe Phe Ala Asn Asp Val Ser Leu Thr 85 90 95		
Val His Asp Asp Ser Pro Leu Asn Ile Ser Gln Ser Leu Ser Pro Ile 100 105 110		
Met Glu Gln Phe Thr Val Asp Glu Leu Pro Glu Ser Ala Ser Asp Leu 115 120 125		
Leu Tyr Glu Tyr Ser Leu Asp Asp Lys Ser Ile Val Leu Phe Lys Phe 130 135 140		
Thr Ser Asp Ala Tyr Asp Leu Lys Lys Leu Asp Glu Phe Ile Asp Ser 145 150 155 160		
Cys Leu Ser Phe Leu Glu Asp Lys Ser Gly Asp Asn Leu Thr Val Val 165 170 175		
Ile Asn Ser Leu Gly Trp Ala Phe Glu Asp Glu Asp Gly Asp Asp Glu 180 185 190		
Tyr Ala Thr Glu Glu Thr Leu Ser His His Asp Asn Asn Lys Gly Lys 195 200 205		
Glu Gly Asp Asp Asp Ile Leu Ser Ser Ile Trp Thr Glu Gly Leu Leu 210 215 220		
Met Cys Leu Ile Val Ser Ala Leu Leu Leu Phe Ile Leu Ile Val Ala 225 230 235 240		
Leu Ser Trp Ile Ser Asn Leu Asp Ile Thr Tyr Gly Ala Leu Glu Lys 245 250 255		
Ser Thr Asn Pro Ile Lys Lys Asn Asn 260 265		

&lt;210&gt; 467

&lt;211&gt; 854

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 467

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cttatgaaat tggtgacagc agctctatga atatgttcca tgcgtttcca ttcaggttac 120
taacaatgca taaattatga gtagtctttt tcatcactat ataaaacctt tttcaaacga 180
aacgctgttt ttgttggtac tatctttgca ggtgcctttg ttttccaaac tgtatttgat 240
actgctatta cttcatggta cgagaatcac aacaaaggaa aattatggaa agatgtcaag 300

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473

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gctcgaatag ctgcaggcga tggagacgac gatgatgagt aaacgctgat tatgtcacac 360
atatacgtgc aaacgctctc tctctctctc aagctatata agtggcactc gtcttattta 420
ttattttttt attttggctg gttgttcatg ttcaacccaa cctcataaag gcactcaact 480
tcatattttg acacaaatct atgtctcgcc aaagcgcatt caaatttcag aatggaaata 540
gacacgaacg agcctgtctg tcagatgttc acaaaatcct tattataatt ttatattcta 600
ctaaaggaaa aagagaatta ggaaaaagaa taactcattt tatgtatata catatatttt 660
gtacatatct ataccaagca agtatagtgc aatactgttc ttcgacgtta ttaaactgaa 720
tagcattttc ttggtatcct ttgaatctta tatacaagta cgagtacata ctgcgagta 780
aattgatcct gatggtgtgt ttagatttcg ccagaagcgg aggcgttctg gattctggag 840
atgtaagcct ttga
854

```

&lt;210&gt; 468

&lt;211&gt; 117

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 468

```

Met Ser Arg Gln Ser Ala Phe Lys Phe Gln Asn Gly Asn Arg His Glu
  1             5             10             15

```

```

Arg Ala Cys Leu Ser Asp Val His Lys Ile Leu Ile Ile Ile Leu Tyr
      20             25             30

```

```

Ser Thr Lys Gly Lys Arg Glu Leu Gly Lys Arg Ile Thr His Phe Met
      35             40             45

```

```

Tyr Ile His Ile Phe Cys Thr Tyr Leu Tyr Gln Ala Ser Ile Val Gln
      50             55             60

```

```

Tyr Cys Ser Ser Thr Leu Leu Asn Val Ile Ala Phe Ser Trp Tyr Pro
      65             70             75             80

```

```

Leu Asn Leu Ile Tyr Lys Tyr Glu Tyr Ile Leu Arg Ser Lys Leu Ile
      85             90             95

```

```

Leu Met Val Cys Leu Asp Phe Ala Arg Ser Gly Gly Val Leu Asp Ser
      100            105            110

```

```

Gly Asp Val Ser Leu
      115

```

&lt;210&gt; 469

&lt;211&gt; 914

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 469

```

aaatacaaat ccaagaaacc tcgatgagga tgactctgat gataatgatg actctgatga 60
gcgagagatt tggtagattc aagccctcta ctatgtttta tagttgacat atttgatat 120
aaaaacttat acattattaa acatttgcgc gtcgattgac ttttatttat tattaacaaa 180
gaagtaatac caacctaat acaataactt cgaagtgact atcataagtt tccttatcta 240
gcgaaggcaa cttttgaact cccagttgt taatatgtat cattatacac gacccaatca 300
aacgcgggga agtcaatgcc gaaagaattc taggacctaa aagctgctca atccttgggc 360
ctttccctaa tgacatcccc tctcaaactt tagcttagca gttgtattta atgtcctgtc 420

```

474

```

acggatagtc aataatcgtt gaaggttgat tttcatatcc ttcgcaattt cgtaaagcaa 480
caatagcaat acggactaaa atggtatggt ggtgtgtgtg tgtgctgctt cacatttcag 540
gctaaaaatg ttatccgtgg aatcttcctt agccaagtat catgggcttt ggaaattagt 600
ttcccaccga tgagcgcgaac gacttagcga agcttatgaa attggtgaca gcagctctat 660
gaatatgttc catgcgtttc cattcaggtt actaacaatg cataaattat gagtagtctt 720
tttcatcact atataaaaacc tttttcaaac gaaacgctgt ttttgttggg actatctttg 780
cagggtgcctt tgttttccaa actgtatttg atactgctat tacttcatgg tacgagaatc 840
acaacaaagg aaaattatgg aaagatgtca aggctcgaat agctgcaggc gatggagacg 900
acgatgatga gtaa 914

```

&lt;210&gt; 470

&lt;211&gt; 66

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 470

```

Met Ser Phe Ser Ser Leu Tyr Lys Thr Phe Phe Lys Arg Asn Ala Val
  1             5             10             15
Phe Val Gly Thr Ile Phe Ala Gly Ala Phe Val Phe Gln Thr Val Phe
          20             25             30
Asp Thr Ala Ile Thr Ser Trp Tyr Glu Asn His Asn Lys Gly Lys Leu
          35             40             45
Trp Lys Asp Val Lys Ala Arg Ile Ala Ala Gly Asp Gly Asp Asp Asp
  50             55             60
Asp Glu
  65

```

&lt;210&gt; 471

&lt;211&gt; 1004

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 471

```

gggctttttcc agtgccgcgg cctcgagatc caggcaccag gaactaggca cgctgtgtat 60
tctaacacat tgaagggcct agggccgctg acgtgggggc tagttccact ttttcattac 120
ctttttctcgg tcttttcttg ctcccacagg ccgttaatgg cctgaaacag ttttgtgact 180
ttggacttat gataacgatg tttgtccggg tgccaccgga ttctatcgcg gcgaatcaag 240
tctagtctgt ttgcatccat caaggcactg ctcatgtgtg aaaattgttc tacgcttttg 300
tcatcaatca tatctaaact cacagccgct agggtaggtg tgccctggcag tggtaaggta 360
gccggctcgt ctttgggtcat gcgccaatac tgtcgaacgg ccgcgcgcta gcgttcttcg 420
gcttcaacct tagagctgat accttttgcc tgggtcaaagg cgaaaacgtc tacctcgctt 480
tactgctgc tttcgctttc atgacttcgt ttcaagcggg ctctttcgct ctcggttgta 540
acacacttgt agcctgctat gctttcaccc tactcgaaaa gcgtagcctc atgactagtt 600
gtaccaacgc ccttttcttt cttttttttc tcttgacact tcggcgtatt catcgccact 660
ggtagaagcc gtatgggtgct tttttgctca ttttcgtttt gacggttgca tggtttcgcy 720
gaccaatcgc atggggtggg gtggatgttg tctttgctag ttgcaacgta gtcttcttct 780
ctcctgcgct ttctgacgaa aattggcctt acgtatcttt tttcggcgct gttgtcgtca 840
tcgctgttca tataatcgtc gtcactcata tcggcgcttt tactgcatgc tgtcttttga 900
agagagtttc attgaaaagt agtgaagaaa aaaaaaaaaa aaaaaaaaaa aaaaaggaaa 960
aaagcttaca tacggaaaga gaaaaaaaaa aaaagaaatt ttaa 1004

```

475

<210> 472  
 <211> 167  
 <212> PRT  
 <213> Candida albicans

<400> 472  
 Met Thr Ser Phe Gln Ala Val Ser Phe Ala Leu Gly Cys Asn Thr Leu  
           1                  5                  10                  15  
 Val Ala Cys Tyr Ala Phe Thr Val Leu Glu Lys Arg Ser Leu Met Thr  
                   20                  25                  30  
 Ser Cys Thr Asn Ala Leu Ser Phe Leu Phe Phe Leu Leu Thr Leu Arg  
                   35                  40                  45  
 Arg Ile His Arg His Trp Tyr Lys Pro Tyr Gly Ala Phe Leu Leu Ile  
           50                  55                  60  
 Phe Val Leu Thr Leu Arg Trp Phe Arg Gly Pro Ile Ala Trp Val Val  
           65                  70                  75                  80  
 Val Asp Val Val Phe Ala Ser Cys Asn Val Val Phe Phe Ser Pro Ala  
                   85                  90                  95  
 Leu Ser Asp Glu Asn Trp Pro Tyr Val Ser Phe Phe Gly Val Val Val  
           100                  105                  110  
 Val Ile Ala Val His Ile Ile Val Val Thr His Ile Gly Ala Phe Thr  
           115                  120                  125  
 Ala Cys Cys Leu Leu Lys Arg Val Ser Leu Lys Ser Ser Glu Glu Lys  
           130                  135                  140  
 Lys Lys Lys Lys Lys Lys Lys Lys Glu Lys Ser Leu His Thr Glu Arg  
           145                  150                  155                  160  
 Glu Lys Lys Lys Lys Lys Phe  
                   165

<210> 473  
 <211> 1343  
 <212> DNA  
 <213> Candida albicans

<400> 473  
 tcttatcttg tatgcccgat atagcaacct tgttggtacc aatctaacgg tttccgtact 60  
 ttgcaatgaa gagatgagga ggcattgggtc acttatattaa tatgtacggg tgtttacatg 120  
 gagttgcttt ctttttttgt ctcagcagtc attgtgcgcc aaaaaaagag aaaaccgtga 180  
 gccgaagtcc acgctctgga gtttagctct cccattacgg agagaagcat ttcctcagcc 240  
 tgggagcccc gttggaacag tcaggctaaa ctgggccttc ctaccactg cttgctgttt 300  
 ctactggac gcacaagggg attttctttc taccttcggc ttgcctcact gcgttggggc 360  
 ttcccaatgc aacttcgttc gtatgcatac aatcttttag atattatctt ttaaaattat 420  
 tttaaaacaa ttttaaattgt atctcatatg cttttcttct gctggtgaaa aggctaaaca 480

476

```

aagaagatca ataagataaa atggctccat ctggatatgtg aactgcaata ttaatagcac 540
gagaaaattg agaggaagat agatgggaac tagtagagtt gatattgatg agatacgaaa 600
accacacgta aataaactat cgcacgacaa gaatagtgca ttaaggactt gattaagata 660
tggtgagcaa cgtaattatc gggctcaaca gtttattagc aatcgttttg atagaagcgt 720
tgatgctgtg gaagttgttc tttttactac caacagccat taacaaatcc attagagtgt 780
tcgttcgttt ttctgctcag attcaagaaa attattccat cctcattata cttttttctt 840
ctatttcgtg ctccacgtcg aggtatcaag gaacatagtt tactaacatt aacgaattca 900
tctcctatga atttactttt tgtatagcta aggctactgc cgctaagaaa gctgtcggtta 960
agggactactaa tggtaagaag gctttgaagg tcagaacttc tgctaccttc agactaccaa 1020
agaccttgaa gttggctaga gctccaaaat atgcttccaa ggctgttcca cattacaaca 1080
gattggactc atacaaggctc attgagcaac caatcacttc tgaaaccgct atgaagaagg 1140
ttgaagatgg taacattttg gttttccaag tttccatgaa agctaacaaa taccaaatca 1200
agaaggccgt caaggaatta tacgaagttg acgtattgaa ggtaaacact ttgggttagac 1260
caaacggtac caagaaggct tacgttagat tgactgctga ctacgatgct ttggacattg 1320
ctaacagaat cggttacatt taa 1343

```

&lt;210&gt; 474

&lt;211&gt; 142

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 474

```

Met Ala Pro Ser Ala Lys Ala Thr Ala Ala Lys Lys Ala Val Val Lys
  1              5              10             15

Gly Thr Asn Gly Lys Lys Ala Leu Lys Val Arg Thr Ser Ala Thr Phe
      20              25             30

Arg Leu Pro Lys Thr Leu Lys Leu Ala Arg Ala Pro Lys Tyr Ala Ser
      35              40             45

Lys Ala Val Pro His Tyr Asn Arg Leu Asp Ser Tyr Lys Val Ile Glu
      50              55             60

Gln Pro Ile Thr Ser Glu Thr Ala Met Lys Lys Val Glu Asp Gly Asn
      65              70             75             80

Ile Leu Val Phe Gln Val Ser Met Lys Ala Asn Lys Tyr Gln Ile Lys
      85              90             95

Lys Ala Val Lys Glu Leu Tyr Glu Val Asp Val Leu Lys Val Asn Thr
      100             105            110

Leu Val Arg Pro Asn Gly Thr Lys Lys Ala Tyr Val Arg Leu Thr Ala
      115             120            125

Asp Tyr Asp Ala Leu Asp Ile Ala Asn Arg Ile Gly Tyr Ile
      130             135            140

```

&lt;210&gt; 475

&lt;211&gt; 429

&lt;212&gt; DNA

&lt;213&gt; Candida albicans



477

&lt;400&gt; 475

```

cttatagcaa ctactaaagc ttcagctgct aaaaaagctg ctttgaaagg tgttaacggg 60
aaaaaggctt taaaagttag aactagtact actttcagat taccaaaaaac cttaaaatta 120
accagatctc caaaatacca aagaaaaatca gtccacact acaacagatt ggatgccac 180
aaaatcattg ttgctccaat tgccactgaa actgctatga aaaaagtcga agatggtaac 240
actttggttt tccaagttga catcaaatcc aacaaacacc aaatcaaatac tgctgttaaa 300
gaattatacg atgttgatgc cttatacggtt aacactttga tcagacctaa cggtagcaag 360
aaagcttaca tcagattaac ctctgactac gatgctttgg atattgctaa cagaatcggg 420
tacatctaa                                     429

```

&lt;210&gt; 476

&lt;211&gt; 142

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 476

```

Leu Ile Ala Thr Thr Lys Ala Ser Ala Ala Lys Lys Ala Ala Leu Lys
  1             5             10             15

Gly Val Asn Gly Lys Lys Ala Leu Lys Val Arg Thr Ser Thr Thr Phe
          20             25             30

Arg Leu Pro Lys Thr Leu Lys Leu Thr Arg Ser Pro Lys Tyr Gln Arg
          35             40             45

Lys Ser Val Pro His Tyr Asn Arg Leu Asp Ala His Lys Ile Ile Val
          50             55             60

Ala Pro Ile Ala Thr Glu Thr Ala Met Lys Lys Val Glu Asp Gly Asn
          65             70             75             80

Thr Leu Val Phe Gln Val Asp Ile Lys Ser Asn Lys His Gln Ile Lys
          85             90             95

Ser Ala Val Lys Glu Leu Tyr Asp Val Asp Ala Leu Tyr Val Asn Thr
          100            105            110

Leu Ile Arg Pro Asn Gly Thr Lys Lys Ala Tyr Ile Arg Leu Thr Ser
          115            120            125

Asp Tyr Asp Ala Leu Asp Ile Ala Asn Arg Ile Gly Tyr Ile
          130            135            140

```

&lt;210&gt; 477

&lt;211&gt; 117

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 477

```

ttagataccc aacttagttc ttctccagtg tcttctttta gcattgtatc tgattttggt 60
gtcagttctc aatctgatcc attgtggcaa tggctgtgtt tgcttttgag ccttagc 117

```

&lt;210&gt; 478

478

<211> 39  
 <212> PRT  
 <213> *Candida albicans*

<400> 478  
 Leu Asp Thr Gln Leu Ser Ser Ser Pro Val Ser Ser Phe Ser Ile Val  
     1                    5                    10                    15  
 Ser Asp Phe Val Val Ser Ser Gln Ser Asp Pro Leu Trp Gln Trp Ser  
             20                    25                    30  
 Val Leu Leu Leu Ser Leu Ser  
             35

<210> 479  
 <211> 198  
 <212> DNA  
 <213> *Candida albicans*

<400> 479  
 atgttgacag tccttggtcg tttacttgaa agaaactcaa tctacgttgc cactatcttt 60  
 ggcggtgctt ttgctttcca aggttttttc gatgttgacag tgaacaaatg gtgggaggaa 120  
 cacaacaaag ctaaattatg gaaaaacgtc aaaggaaaat tccttgaagg tgaaggtgaa 180  
 gaagaagatg acgaataa 198

<210> 480  
 <211> 65  
 <212> PRT  
 <213> *Candida albicans*

<400> 480  
 Met Leu Thr Val Leu Gly Arg Leu Leu Glu Arg Asn Ser Ile Tyr Val  
     1                    5                    10                    15  
 Ala Thr Ile Phe Gly Gly Ala Phe Ala Phe Gln Gly Phe Phe Asp Val  
             20                    25                    30  
 Ala Val Asn Lys Trp Trp Glu Glu His Asn Lys Ala Lys Leu Trp Lys  
             35                    40                    45  
 Asn Val Lys Gly Lys Phe Leu Glu Gly Glu Gly Glu Glu Glu Asp Asp  
             50                    55                    60  
 Glu  
     65

<210> 481  
 <211> 457  
 <212> DNA  
 <213> *Candida albicans*

<400> 481

479

```

atggttcaat ctatgacatc tgtcgtaag gcagctaatt tcatttttagc aagaccaaca 60
ttatcaaaaa tcattacacc acttgctcaa aaattcactg cttatgcagg gtatagagaa 120
atgggattaa aattcaatga tttacttctt gaagaaacc caattatgca aactgctatt 180
aaaagattac cttcagaatt aaattattca agaaatttta gaattcttac tgctcatcaa 240
ttagcttttat ctcatcaatt attaccagct gaaaaagctg ttaaacctga agaagatgat 300
aattattttga ttccttatat tttagaagct gaaaaggaag cttttgaaaa agctgtattg 360
gggaatattg acgctagtgc gattgtaatt aatacgacga ataagaaacg gacgaggaag 420
aggaagaaga tgagaaggtc aaacattgaa atatgaa 457

```

&lt;210&gt; 482

&lt;211&gt; 151

&lt;212&gt; PRT

&lt;213&gt; Candida albicans

&lt;400&gt; 482

```

Met Val Gln Ser Met Thr Ser Val Val Lys Ala Ala Asn Phe Ile Leu
  1      5      10      15
Ala Arg Pro Thr Leu Ser Lys Ile Ile Thr Pro Leu Ala Gln Lys Phe
      20      25      30
Thr Ala Tyr Ala Gly Tyr Arg Glu Met Gly Leu Lys Phe Asn Asp Leu
      35      40      45
Leu Leu Glu Glu Thr Pro Ile Met Gln Thr Ala Ile Lys Arg Leu Pro
      50      55      60
Ser Glu Leu Asn Tyr Ser Arg Asn Phe Arg Ile Leu Thr Ala His Gln
      65      70      75      80
Leu Ala Leu Ser His Gln Leu Leu Pro Ala Glu Lys Ala Val Lys Pro
      85      90      95
Glu Glu Asp Asp Asn Tyr Leu Ile Pro Tyr Ile Leu Glu Ala Glu Lys
      100     105     110
Glu Ala Phe Glu Lys Ala Val Leu Gly Asn Ile Asp Ala Ser Ala Ile
      115     120     125
Val Ile Asn Thr Thr Asn Lys Lys Arg Thr Arg Lys Arg Lys Lys Met
      130     135     140
Arg Arg Ser Asn Ile Glu Ile
145      150

```

&lt;210&gt; 483

&lt;211&gt; 399

&lt;212&gt; DNA

&lt;213&gt; Candida albicans

&lt;400&gt; 483

```

ctacaattct tgagaagcct taacaccacc tttacctgat ttctttggca acaagttttg 60
atggatgttt ggtaacacac caccttgggc gatggtgaca tcaccaaca atttgtttaa 120
ttcttcatca tttctgatgg ccaattgtaa gtgtcttggg attattctgg atttctgtt 180

```

```

gtctctggca gcgttaccag ctaattccaa aatttcagca gctaaatatt ccaagactga 240
agtcaagtac actggagcac cagaaccgat tctctgagcg tagttacctt ttcttaacaa 300
tctgtggact ctaccgactg ggaaagtcaa accagctttg gctgatcttg aagttgaagc 360
tttttcggaa gttcctgctt tacctttacc acctgacat 399

```

<210> 484

<211> 132

<212> PRT

<213> Candida albicans

<400> 484

```

Met Ser Gly Gly Lys Gly Lys Ala Gly Thr Ser Glu Lys Ala Ser Thr
  1              5              10              15

Ser Arg Ser Ala Lys Ala Gly Leu Thr Phe Pro Val Gly Arg Val His
      20              25              30

Arg Leu Leu Arg Lys Gly Asn Tyr Ala Gln Arg Ile Gly Ser Gly Ala
      35              40              45

Pro Val Tyr Leu Thr Ser Val Leu Glu Tyr Leu Ala Ala Glu Ile Leu
      50              55              60

Glu Leu Ala Gly Asn Ala Ala Arg Asp Asn Lys Lys Ser Arg Ile Ile
      65              70              75              80

Pro Arg His Leu Gln Leu Ala Ile Arg Asn Asp Glu Glu Leu Asn Lys
      85              90              95

Leu Leu Gly Asp Val Thr Ile Ala Gln Gly Gly Val Leu Pro Asn Ile
      100              105              110

His Gln Asn Leu Leu Pro Lys Lys Ser Gly Lys Gly Gly Val Lys Ala
      115              120              125

Ser Gln Glu Leu
      130

```